

BADGER STATE

Smoke Signals

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 23rd Year • Single Copy: \$1.25

Return Address:
Kenneth A. Ebnetter
822 Wauona Trail
Portage, WI 53901

Bulk Rate
U.S. Postage
PAID
Permit #265
Portage WI 53901

Third Class Mail • Forwarding and Return Postage
Guaranteed • Address Correction Requested

Vol. 23 No. 12 - 276th Consecutive Monthly Issue - Baraboo, Wisconsin - December 1992

Seasons Greetings

From the Badger State Smoke Signals Staff

Kenneth A. Ebnetter, K9EN
Publisher/Circulation

Jim Decker, WB9UQT
Treasurer

Donald A. Evenson, K9JYX
Production Advisor/Assistant

Jim Romelfanger, K9ZZ
Editor

Up, Up and Away, to the Edge of Space

Goose Hunters Bag Unexpected Game, Money

By Steve Loeffler, WB9ZRE
123 Oshkosh Street, Ripon, WI 54971

What Wisconsin repeater has the greatest range? The answer is easy - the W.A.R.B.A. repeater with a radius of more than 400 miles! No, this is not a "typo" or an early April Fools article, this is a fact. As shades of doubt begin to cover your faces, let me tell you that W.A.R.B.A. stands for Wisconsin Amateur Radio Balloon Association, and the repeater is suspended beneath a hydrogen filled meteorological balloon, ascending to a height of over 100,000 feet! The package remains aloft approximately 3 hours as the balloon rises to its burst altitude and the radio package parachutes back to earth.

During this time, the balloon drifts on the winds, travelling up to 150 miles before it lands.

The latest W.A.R.B.A. flight was launched at 10:20 a.m. on Saturday, October 31, and consisted of a multiple cross-band repeater. The active fre-

quencies for the flight were 28.375 USB, 144.475 FM and 440.075 FM. All frequencies could be used for input to the remaining two frequencies. In addition to the radio equipment, a 35mm camera was included in the flight package and took 18 balloon's-eye-view pictures of the Earth during the course of the flight.

The radio package consisted of a Standard C528A Dual-band FM HT, AEA MX-28S 10 meter SSB HT, Vox board for interfacing the two HTs, a 15 volt 10 AH lithium battery pack, dual-band 1/4 wave antenna, and an audible location beeper to aid in locating the package after landing.

This was a truly versatile operation, with nearly 200 operators working W.A.R.B.A.'s ground station at the launch site near Hillsboro, Wisconsin through the repeater in-the-sky. The furthest 2 / 440 meter contacts recorded were from Cleveland, Ohio

Please turn to page 9

League Calls Licensing Scheme Flawed, Suggests Alternatives for Foreigners

The American Radio Relay League (ARRL) has responded to an FCC proposal to streamline licensing of foreigners, strongly agreeing with the goal of the proposal, but suggesting alternate means.

The FCC's Notice of Proposed Rule Making in Docket 92-167, filed August 6, 1992, outlined a plan to allow foreigners who hold amateur licenses in their own countries to qualify for a 60-day operating permit in the U.S.

The plan would embrace amateurs from countries with which the U.S. has no reciprocal operating agreement and would have volunteer examiners handle the mechanics of the applications. The FCC proposed to have VEs look over the foreign operator's amateur license and identifying credentials, determine the applicant's home operating privileges, then administer a 20-question written exam on U.S. regulations.

Upon passing the examination, the foreign applicant would receive a Certificate of Successful Completion of Examination (CSCE) which would serve as a conditional license to operate in the United States.

Present Arrangements "Cumbersome"

The League, in comments filed October 27, agreed with the objective of the proposed new rules, observing that some countries grant U.S. amateurs temporary operating permission, even in the absence of a reciprocal agreement. The League believes that others might do the same, if the U.S. had a more streamlined method of doing likewise.

"In fact," the League said, "the present arrangements in the United States for authorizing foreign amateur radio operators to operate here are cumbersome" (that is, by either passing a regular FCC examination or obtaining a one-year reciprocal operating permit).

The League's first argument against the proposal was that the U.S. law that empowers the volunteer examiner program does not contain the necessary authority.

Please turn to page 7

ELMER

By Rich Regent, K9GDF



ON THE INSIDE

What's Happening	2
Wisconsin Nets Association	4
Here and There (Mostly There)	5
From Ye Olde Goat	6
Revealed: How New Holstein's Mayor Really Relaxes!	7
West Allis Club Recognizes Members	8
LowFers and Medfers	8
Hams Provide Essential Iniki Help	9
Riverland Amateur Radio Club	11
Eau Claire Amateur Radio Club	11
ManCoRad Radio Club	11
Racine Megacycle Club	12
Sheboygan County Amateur Radio Club	12
Watts Snoo (Central WI Radio Amateurs)	13
Northern Wisconsin Radio Club	13
Taylor County Area Amateur Radio Club	13
The Wisconsin Packeteer	14
Yellow Thunder Amateur Radio Club	15

What's Happening

♦ Swapfests and Other Social Events ♦ Club Meetings ♦ Amateur Radio Exam Schedules

Edited by Kenneth A. Ebnetter, K9EN • 822 Wauona Trail • Portage, WI 53901

Swapfests and Other Social Events

SUNDAY, JANUARY 10, 1993. 21st Annual WARAC MIDWINTER swapfest, Waukesha County Expo Center Forum, Waukesha, WI. Contact WARAC Swapfest, P.O. Box 1072, Milwaukee, WI 53201. Please note this will be on a Sunday next year instead of the previous Saturday dates. (see also ad on back page and see ad elsewhere with full details.)

SUNDAY, APRIL 4, 1993. Madison, WI Swapfest, sponsored by MARA. Contact MARA, PO Box 8890-8890. Madison, WI 53708-8890. (608) 249-7579. Watch for flyer, and see ad back page.

SATURDAY, MAY 8, 1993. Lakeshore Hamfest, Manitowoc County Expo. Contact: ManCoRad Radio Club, P.O. Box 204, Manitowoc, WI. Call: Ron, WS9X, (414) 793-4733 (nights) or Red, N9GHE, (414) 684-9097.

SUNDAY, JUNE 13, 1993. CWRA Swapfest, University Center, Stevens Point, WI. Contact: Art Wysocki, N9BCA, 3356 April Lane, Stevens Point, WI 54481. (715) 344-2984.

SATURDAY, JULY 10, 1993. South Milwaukee ARC Swapfest, Oak Creek, WI. Contact SMARC, P.O. Box 102, South Milwaukee, WI. (414) 762-3235 Ext. 58.

SATURDAY, JULY 10, 1993. Eau Claire ARC Swapfest, Chippewa Falls Fairgrounds. Contact Lis Searing, N9EQR, 1129 McKinley Road, Eau Claire WI 54701. (715) 834-1303.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail,

Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the September 1992 meetings column for the latest complete listing. The following are additions or changes since that listing.

OZAUKEE RADIO CLUB

Second Wed. - 7:30 p.m. - Grafton Multiturpose Senior Center.

RIVERLAND AMATEUR RADIO CLUB

First Tue. - 7:00 p.m. - Onalaska Community Center, Onalaska WI.



SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

OLDER HAM RADIOS FROM AN ESTATE. Johnson Viking, Hammerlund, HQ-170. are a few of the names. There are 5 radios in all. Family would like to dispense of these cheap. Radios are in Wisconsin. Contact: Geri Haugen, 3020 Jackson Ave. S.W. Bemidji, MN 56601.

example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. This credit is mandatory, and no material may be printed unless it is given. This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

December 5, 1992	Stevens Point, WI
December 10, 1992	Apple Valley, MN
December 12, 1992	Madison, WI
December 12, 1992	Oak Forest, IL
December 12, 1992	Saint Paul, MN
December 15, 1992	Milwaukee, WI (MRAC)
December 15, 1992	McHenry, IL
December 19, 1992	Milwaukee, WI (BE)
January 9, 1993	Marshfield, WI
January 14, 1993	Apple Valley, MN
January 16, 1993	Eau Claire, WI
January 17, 1993	Des Moines, IA
January 13, 1993	Appleton, WI
March 6, 1993	Dubuque, IA
March 13, 1993	Marshfield, WI
March 20, 1993	Appleton, WI
April 17, 1993	Eau Claire, WI
May 8, 1993	Marshfield, WI
May 8, 1993	Manitowoc, WI (Hamfest)
June 12, 1993	Appleton, WI
June 12, 1993	Dubuque, IA
July 10, 1993	Marshfield, WI
August 9, 1993	Appleton
August 21, 1993	Dubuque, IA
September 11, 1993	Marshfield, WI
November 13, 1993	Marshfield, WI
November 13, 1993	Kaukauna, WI (Hamfest)
November 20, 1993	Dubuque, IA

Monthly, First Sat. Racine, WI (except January, July & August)
Monthly, Second Sat. Madison, WI
Monthly, Third Sat. Loves Park, IL
Monthly, Last Sat. Tomahawk, WI (January thru October only)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

GENERAL RULES FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.40 payable to "ARRL/VEC".

The FCC now requires applicants to show their original Amateur license to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Additional information is given below.

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

EDITOR: Jim Romelfanger, K9ZZ, 412½ Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)
TUESDAY DATES: At 6:30 p.m. at church,
11709 West Cleveland Ave., West Allis, WI.

LAST SATURDAY DATES: At 8:30 a.m. in the
lower level of Savings and Loan, 7500 W. State
St., Wauwatosa, WI.

SECOND SATURDAY DATES (SWAT team): 1:00
p.m. at Wauwatosa Savings and Loan, 6560 S. 27th
St., Oak Creek, WI.

For Additional Information Contact; Jack
Krause, W9JK, 1737 N. 116th St., Wauwatosa, WI
53226. (414) 774-6999 or Les Peterson, W9YCV,
9741 W. Howard Ave., Greenfield, WI 53228.
(414) 321-4745.

Bring along your original license and two
(2) good quality photocopies, plus two forms of
identification, such a driver's license, etc.
Also required are a pen and \$5.00 for the exam
fee. WALK-INS are welcome. To register in ad-
vance, use a post card: print the grade of li-
cense you are applying for, and your name, ad-
dress, and telephone number. Send the card to
MRAC/VEC, c/o Jack Krause, W9JK, or Les Peter-
son, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Unless otherwise noted, examinations are
administered beginning at 1:00 p.m. to 3:30 p.m.
at St. Nicholas Church basement, 5345 N. Green
Bay Ave. (2 1/2 blocks south of Silver Spring),
Milwaukee. Walk-ins are welcome. CW waiver forms
are available. Please send a request with an
SASE prior to taking an exam, so it is ready
when attending the session. To register in
advance, send a post card with your name, test
or tests you wish to take, date you wish to
take., your call sign, address and telephone
number to Badger Examiners, Gary J. Sharbuno,
W19M, 5119 W. Willow Rd., Brown Deer, WI 53223.
Telephone (414) 355-0237.

VE exams are held in Madison every second
Saturday morning of the month at 8 a.m. They are
held at the operations building of the Madison
Metropolitan Sewerage District at 1610 Moorland
Rd. To get there take the Beltline (Hwy 12 & 18)
to South Towne Drive. Go south 8/10 mile till
South Towne Drive makes a bend and becomes
Moorland Rd. and enter at gate. Other exams are
held in Milwaukee every Third Tues. evening and
third Sat. Afternoon.

You should bring a picture ID, your origi-
nal licence and a copy of your licence. For
exams beyond the novice tests, bring a check for
\$5.40, made out to the ARRL/VEC. If the special
610 form with the medical exemption is required,
contact me beforehand to obtain one. No appoint-
ments are necessary to take exams. For further
questions, please leave a message on the mailbox
or phone me at (608) 832-6631., Mark NZ9B.

EAU CLAIRE, WI

Held 9:00 a.m. to 12:00 noon at St. Olat's
School on the North Lane in Eau Claire, WI.,
near the airport. Contact Carl Searing, W9NW.
(715) 834-1303.

MARSHFIELD, WISCONSIN

Sponsored by the Marshfield Area ARS.
Second Saturday every other month, at St. Joseph
Hospital, School of Nursing entrance. Room 124.
St. Joseph Ave., Marshfield, WI. Walk-ins Wel-
come. Contact Walter Friant, WBOKIN, 2310 Wal-
lonnie Dr., Marshfield, WI 54449. (715) 387-3870

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July,
and August.

Exams are given 9:00 to 11:00 a.m. at the
Red Cross Building, 4521 Taylor Avenue, Racine.
Walk-ins are permitted. Inquiries and registra-
tions should be directed to William Firchow,
Jr., NW9P, 1912 27th Street, Kenosha, WI 53140,
telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC).
Tomahawk, WI. No preregistration required, but
appointment would be appreciated. Registration
at 8:30 a.m. and testings starts at 9:00 a.m.
For location or other information, inquire on
145.43 MHz. repeater or contact: Greg Garner,
WA9W, 4088 Highway 51, Harshaw, WI 54529. Tele-
phone (715) 453-7096.

STEVENS POINT, WI - ARRL/VEC

December 5, 1992

Contact: Joe Larson, (715) 344-1182
(evenings).

DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on March
6, June 12, Aug. 21 and Nov. 20 in 1993.

Great River Amateur Radio Club VEs are now
field stocked, which means retests can be given
immediately.

Exams are held at 9:00 am at the Central
Fire Station, 9th and Central in Dubuque. Use
the basement entrance on 9th street. For more
info, contact Mike Jozefowicz, NSOU, 2735 Hicky-
ry Hill, Dubuque, IA 52001. Or call Mike at
319-582-8563. Talk-ins are on the 147.84/24,
147.63/03 and 146.295/895 repeaters.

Arthur A. Evans, KA9KLZ
213 N Jefferson St.
Cuba City, WI 53807-1558
608-744-2704

APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team.
Contact: Larry Siebers, (414) 788-3823

LOVES PARK, IL

Third Saturday of every month. Northern
Illinois Volunteer Examiners (Great Lakes ARC
VEC). Held at North Suburban District Library,
6340 North Second St. (Hwy. 251), Loves Park,
IL. Contact: Paul K. Dean, WB9HCZ, (815) 987-
6754.

Out of State Exams

Information Provided
by the ARRL/VEC



All are ARRL/VEC unless otherwise shown.
Contact information from ARRL/VEC.

EASTERN IOWA

Cresco, 319-547-5329, Jim Murphy
Des Moines, 515-967-3890, Jim Snapp
Dubuque, 319-582-8563, Mike Jozefowicz

NORTHERN ILLINOIS

Dixon, 815-284-6380, Charles W Randall
Lincoln, 312-465-0981, Michael Leibovitz, WA9EVF
McHenry, 815-678-4276, Jack Hudson
Oak Forest, 312-247-0650, William Koltz

MINNESOTA

Apple Valley, 612-432-1640, Paul Ramey WGOG
Saint Paul, 612-888-6187, Jerry Jensen
St Paul, 612-222-7253, John Bellows

This section of Badger State Smoke Signals is
available to publicize your Volunteer Examiner
Amateur Radio license examination schedules.
Please send us your schedules of dates, times,
and locations that you will be conducting exami-
nations and we will include the information
here. Be sure to include contact address and any
other necessary requirements. Information should
be sent to K9EN at the address shown on page 2.

CRANDON-WABENO REPEATER

The Northeast Wisconsin Radio League
(NEWRL) has announced the completion of its new
northern repeater site in the Crandon-Wabeno
area. The new repeater will operate on the
coordinated frequency of 145.110 MHz., with an
input at 144.510 MHz. The new repeater is open
to all amateur traffic although it will utilize
a PL tone of 107.2 Hz. as required to eliminate
interference. Additionally, when the repeater is
in the PL access mode, it can be brought up into
the carrier access mode using the DTMF code of
32 and returned to the PL access mode using the
DTMF code of 32#.

This repeater will provide day to day
communications in Forest County as well as
portions of Florence, Marinette, Oconto, Lan-
glade and Oneida Counties. Linked to the NEWRL's
existing Green Bay repeater on a full time

basis, the repeater will further provide reli-
able priority and emergency traffic into and out
of the Forest County area.

WARNING TO NON-SUBSCRIBERS (de WATHENA TIMES via PHD NEWS)

A man who was to cheap to subscribe to his
favorite Amateur Radio magazine sent his little
boy to borrow his neighbor's copy. In his haste,
the boy ran over an \$80.00 hive of bees and in
ten minutes he looked like a warty squash. His
father ran to his assistance and failing to
notice the barbed wire fence, ran into that,
cutting a hole in his anatomy as well as ruining
a pair of \$20.00 trousers. The old cow took
advantage of the gap in the fence and killed
herself eating corn. Hearing a racket, the wife
ran out, upset a four-gallon churn of cream into
a basket of chicks, drowning the entire bunch.
In her haste, she dropped a \$300.00 set of false
teeth, which the family dog buried, thinking it
was a new type of bone. The baby, having been
left alone, crawled through the spilled cream
and into the parlor, ruining a \$500.00 carpet.
During the excitement, the oldest daughter ran
away with the hired hand and the cat had kit-
tens.

All this just to save the price of the
magazine and the poor man never got to read the
magazine either.

WARNING TO NON-SUBSCRIBERS (de WATHENA TIMES via PHD NEWS)

A man who was to cheap to subscribe to his
favorite Amateur Radio magazine sent his little
boy to borrow his neighbor's copy. In his haste,
the boy ran over an \$80.00 hive of bees and in
ten minutes he looked like a warty squash. His
father ran to his assistance and failing to
notice the barbed wire fence, ran into that,
cutting a hole in his anatomy as well as ruining
a pair of \$20.00 trousers. The old cow took
advantage of the gap in the fence and killed
herself eating corn. Hearing a racket, the wife
ran out, upset a four-gallon churn of cream into
a basket of chicks, drowning the entire bunch.
In her haste, she dropped a \$300.00 set of false
teeth, which the family dog buried, thinking it
was a new type of bone. The baby, having been
left alone, crawled through the spilled cream
and into the parlor, ruining a \$500.00 carpet.
During the excitement, the oldest daughter ran
away with the hired hand and the cat had kit-
tens.

All this just to save the price of the
magazine and the poor man never got to read the
magazine either.

THE FIRST PROFESSIONAL? by AF6S (via ARNS & HAMTRIX)

In a recent 75-meter ragchew, the subject
was the oldest profession. But the discussion
moved into the twilight zone when a physician
asked, "Who but a surgeon could have dealt with
Adams's rib?"

An engineer answered, "Long before Adam,
the earth, solar system, and cosmos were created
from sheer chaos. Only an engineer's orderly
mind could have accomplished that."

After a short pause, another voice said,
"And who gentlemen, do you suppose created the
chaos? I say it could only have been a lawyer!"

"I concede!" the engineer replied, "And no
one but a lawyer, sir. could turn a little bull
into a big bang."

BEARGREASE 500 RACE

The John Beargrease 500 sled dog races will
be held Jan. 10 to 17th in Minnesota. Amateur
radio will again be providing communications for
this marathon race. It takes a lot of Hams and
the BARC is looking for Amateurs who would like
to help with this event. If you are interested,
contact one of the following for information:

Bruce, NOELB (218) 724-4666 Checkpoint
Chairman.

Loren, KA0IMW (218) 729-5801 Pres. BARC.

Wisconsin Nets Association Ltd.

Rob Hummel, WA9ZTY, Secretary • 202 Midvale Drive • Marshall, WI 53559

Section Manager's Notes



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

Happy New Year.

The West Allis RAC Midwinter Swapfest will be held at the Waukesha County Expo Center on January 10th.

New WARAC officers: Pres. W9YCV, V. Pres. N9FEW, Treas. W9NAW, Sec'y. WT9P, and Ham of the Year is W9YCV.

Madison Area Repeater Association on 147.15 MHz has Newline net on Wednesdays at 9 p.m. and SWL net first Sunday of month at 8 p.m.

Milwaukee's WB9GIE made bicycle to bicycle QRP QSO with Georgia's WC4X and was featured in *Milwaukee Magazine* article called *Ham on Wheels*.

Wisconsin Valley RA now has over 100 members.

Congratulations to new Official Observer WB0WOT of Beldenville who passed the Amateur Auxiliary test and is helping the Beldenville Ama-

Wisconsin Nets

Net	WNA	Freq.	UTC	CST	Mgr.
BWN	Yes	3984	1200	0600	W9AYK
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9UTQ
WNN	Yes	3723	0000	1800	KA9FVX
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	0030	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0245	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0200	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1400	0800	WA9OAY
(LSB Sunday)					

teur Television Society to become ARRL affiliated.

Amateur license exams: January 9th, Marshfield and Madison; January 13th, Appleton; January 16th, Eau Claire; and January 23rd, Appleton.

Sorry to report Silent Key N9JNZ of West Bend.

Thought of the month: *For every work of genius, we recognize our rejected thoughts.* □

Florida Governor Commends Hams for Hurricane Effort

Florida Governor Lawton Chiles has recognized the work of Amateur Radio operators in Florida following Hurricane Andrew in August. Chiles wrote the following to the American Radio Relay League:

"On behalf of the state of Florida, I am writing to thank the many amateur radio operators who assisted in the Hurricane Andrew relief effort.

"Scores of amateur radio operators rallied to South Florida from across the United States, helping to provide desperately needed communications to local, state, and federal agencies.

"They provided moral and physical support to local amateur radio operators, many of whom had suffered severe damage to their homes, yet provided around-the-clock communications at emergency operation centers, food distribution centers, and field medical facilities.

"Hundreds more assisted at their home stations around the country, passing health and welfare messages to concerned relatives of south Floridians.

"The amateur radio service can be proud of its members, who time and time again serve the country unselfishly. The state of Florida owes them a debt of gratitude and thanks."

- The ARRL Letter, 10/28/92

WNA Officers and Delegates Enjoy New Holstein Meeting Scene



Some of the officers and delegates of the Wisconsin Nets Association were capably captured by the ever-present camera of photographer Les Peterson, W9YCV, at their September meeting in New Holstein, WI. Shown, left to right, are Roy Pedersen, K9FHI (a former Section Communications Manager for the Wisconsin Section of the ARRL); Gary Pedersen, KA9BAE; Rob Hummel, WA9ZTY; Don Stenz, K9KSA; Keith Shilhavy, KY9P; Wisconsin Section Manager Rich Regent, K9GDF; and host Wayne Schanke, KE9VU. An election of officers for the next one-year term was held; a photo of the new officers is on page 11 of this issue. □

League Authorizes Temporary Help to Relieve DXCC Backlog

At its November 6 meeting, the American Radio Relay League's board of directors Administration and Finance Committee approved several additional temporary, part-time employees for the DXCC branch. The temporary personnel will work evenings on DXCC processing in order to more quickly work down the current six-month backlog. DXCC Manager Tom Hogerty, KC1J, will be in charge of this special work detail in the evenings, and DXCC Specialist Bill Kennaver, K5FUV, will be in charge of the branch during the daytime.

The additional work detail is expected to continue until the processing backlog is eliminated.

In addition to the temporary added personnel, the Administration and Finance Committee also approved funds for new computer hardware exclusively for the DXCC branch.

- ARRL Bulletin 100, 11/11/92

ARRL Board Election Results

The American Radio Relay League committee for the election of directors and vice-directors for the 1993 through 1994 term met at ARRL Headquarters Nov. 20 to count ballots. Here are the results (Central Division only): For Vice Director: Incumbent Howard Huntington, K9KM, 2288; Michael Hoshiko, W9CJW, 2127. Director Edmond Metzger, W9PRN, was unopposed. In each case, the candidate receiving the greatest number of votes was declared elected. The terms of office are for two years, beginning at noon, January 1, 1993.

- ARRL Bulletin 108, 11/20/92

PORTA-LINK™ for all ICOM® Handhelds

The PORTA-LINK can easily be plugged into an ICOM Handheld. Simple VOX design uses only the speaker jack and microphone input without modification.

- Use SINGLE as low power hamfest or emergency repeater.
- Use DUAL as two-way crosslink or one side as a repeater.

PORTA-LINK SINGLE - \$32 DUAL - \$67

IL deliveries, 6.5% tax. S/H-\$3.25 or C.O.D.-\$7.50

M. BOHNHOFF

P.O. Box 6373, Libertyville, IL 60048-6373
ORDER LINE 708-918-7330



Use as a one-way crosslink or repeater. Handie Talkies not included. *ICOM reg. ICOM U.S.A. not M. Bohnhoff, Inc.

TigerTail™

- Easy to Use
- Unobtrusive
- Easily Concealed
- Snaps on Handheld
- Weighs only 1/3 oz.
- Adds No Bulk or Height

AntennasWest

Box 50062-SS, Provo, UT 84605

800-926-7373

See and Hear the Difference

Range Extender for 2 meter Handhelds

- Boosts Signal from Flex & 1/4 wave Antennas
- Lowers Radiation Angle
- Improves both Receive and Transmit
- Raises Low Power Performance
- Saves your Battery Pack

Order Hotline

800-926-7373

7.95

WISCONSIN WEB

Web Printing on Newsprint and Uncoated Papers

327 Palisade Street
Merrimac, WI 53561

(608) 493-2181



HERE and THERE

Court Dings Woman for Damage to Amateur Radio Station

A 47-year-old Lancaster, Pa. woman has received two years probation, been fined \$100, and ordered to pay restitution for damage to the station of a neighboring amateur operator, according to the Lancaster *Intelligencer-Journal*. Linda Ann Van Aulen was found to have cut two cables connected to her neighbor's equipment. The amateur, who was not identified, claimed damage to his transmitter of \$1,971.49.

- The ARRL Letter, 10/28/92

Two Volunteer Examiners Strike Plea Bargain With Commission

Two amateur volunteer examiners have reached a settlement with the FCC in charges that irregularities occurred in examinations they administered. Sandra V. Crane, N6TFO, and Charles P. Pascal, WB6CIY, operating as the California Amateur Radio School under the W5YI-VEC, were accused in April by the Commission of "apparently (having) information that they used to tailor the content of their instruction at the school to include answers to all or most of the questions that would later be part of the examinations, while excluding from instruction the answers to most questions that would not be part of the examinations."

The FCC also said that Crane had administered license examinations to her daughter, Tracey L. Gullotti, KC6PTQ.

Crane and Pascal were ordered by the FCC's Private Radio Bureau to show cause why their amateur operator licenses should not be suspended and their station licenses revoked.

In September, Crane and Pascal took their case before administrative law judge Joseph Chachkin in Washington, D.C. Judge Chachkin on October 5 issued a consent order "resolving all issues in the proceeding" according to an FCC press release on October 21.

Crane and Pascal agreed to a three month suspension of their Amateur Extra Class licenses, retroactive to August 1, 1992, and to the establishment of a "wall" between their teaching functions and the selection of volunteer examiners to test their students, according to the FCC. "This 'wall' will be accomplished," the FCC said, "by having the VEs selected by Volunteer Examiner Coordinators rather than by respondents."

"The settlement and its terms do not constitute an admission by either respondent of any violation of law, rules, or policy," the FCC said.

A press release on behalf of Crane and Pascal called the plea bargain a "stunning reversal" for the FCC.

QCWA Wisconsin Chapter 55 Officers

Wisconsin Chapter 55, Quarter Century Wireless Association's officers are, left to right: Mike Ortlieb, KN9P, Chairperson; Jim Fischer, W9LPP, Vice-Chairman; Mark Michel, W9OP, Secretary; Verne Teske, W9RYA, retiring Chairperson; Erv Froelich, W9RZW, Treasurer; and Bob Shady, KB9XR, retiring Treasurer.

- Photo by
Les Peterson/W9YCV



Crane and Pascal hired Washington lawyer George L. Lyon as their attorney. Pascal said he has been "financially wiped out" by the affair.

Crane said in the press release that "The truth finally came out. There has been personal embarrassment, constant harassment on the radio and no one in the Amateur Radio press ever called me to get my side of the story. It's shaken my belief in fairness."

But Crane hopes to again become active in Amateur Radio. "It's still a wonderful hobby," she said.

- The ARRL Letter, 10/28/92

Swedish Studies Encourage Laws on Power-Line Cancer

Sweden may soon become the first country to set strict limits on exposure to electromagnetic fields, following the release on Sept. 30 of an epidemiological study by the Karolinska Institute and by Sweden's National Institute of Occupational Health. The studies found that children exposed to average EMFs of 3 milligauss or more in their homes had close to four times the expected leukemia rate for the population as a whole.

Following release of the studies, Sweden's national Board for Industrial and Technical Development said that from now on it will assume there is a connection between exposure to electromagnetic fields and cancer, especially childhood leukemia.

This issue has received increased national attention following a 1990 article in *The New Yorker* magazine that focused on cancers among people living near electrical power sub-stations, but the scientific community is divided on the subject.

Nancy Wertheimer, an epidemiologist at the University of Colorado Medical Center in Denver, said she expects that details of the Swedish studies (which are not yet available) will "make it possible for researchers to work in this field without unwarranted put-downs from the scientific establishment."

- From the *New York Times* and the
Associated Press in *The ARRL Letter*, 10/28/92

Silent Keys

HAROLD T. DEGNER, N9JNZ, passed away suddenly at his home in West Bend on October 23, 1992, at the age of 70.

Harold was active on the WIN/E net, a member of the Washington County Amateur Radio Club, and the Morse Telegraph Club.

He was a former railroad telegrapher and, after service in WW II, was a depot agent for the CNW Railroad in Campbellsport, Kewaskum, and West Bend, retiring after 44 years.

He is survived by his wife Kathryn, children Corinne (Richard) Higgins and Neal (Erika) WA9WYI, and three grandchildren, Sigrid Degner, John and Anne Higgins.

BOB DUNN, N9GJI, of Iola recently died. No other information was provided.

ARRL Offers Call Sign Help to FCC

The American Radio Relay League has proposed to the FCC Private Radio Bureau to provide assistance free of charge in the administration of call signs for club and military recreation amateur stations. This proposal was enabled by Public Law 102-538, enacted by Congress and signed by President Bush in October.

The League's proposal would provide for the resumption of call signs for clubs and military recreation stations, a cause which the League has supported since new club and military recreation call signs stopped being issued in the 1970s.

The proposal, made in a draft letter of intent to the Private Radio Bureau, would have the League handle applications up to the point of actual FCC endorsement and mailing to the applicant, which would continue to be handled by the Commission's Gettysburg, Pennsylvania office. No monetary transactions would be involved.

The FCC has not yet responded to the proposal.

- ARRL Bulletin 102, 11/16/92



Badger State Smoke Signals

Subscription Form • Regular Individual Subscription Rates

1 year: \$9.75 • 2 years: \$18.00 (save \$1.50) • 3 years: \$26.00 (save \$3.25)

PLEASE PRINT!

Name: _____ Call Sign (if any): _____

Address: _____ City: _____ State: _____ ZIP: _____

☐ 1 year ☐ 2 years ☐ 3 years

☐ New ☐ Renewal

Send this form, with your check or money order, to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, WI 53913. **Please do not send cash!**

9212

Amateur Loses License

The FCC has suspended the amateur and commercial operator licenses of Thomas M. Haynie, WB4PVK, as well as revoked his amateur station license.

In September, 1990, Haynie, of Virginia Beach, Virginia, was convicted of deliberately causing interference to a communications satellite (a felony), as well as of a criminal violation for the unauthorized operation of a satellite transmitter. He received a suspended sentence, a 1,000 dollar fine, and was ordered to perform 50 hours of public service work. The conviction was upheld by an appeals court in August, 1991.

On July 31, 1992, the FCC ordered the license suspensions and revocation, and notified Haynie of his right to a hearing on the suspension orders. Haynie responded with a letter to the FCC Private Radio Bureau, in which he did not ask for reconsideration of the suspension of his commercial license but did argue for retaining his amateur Advanced Class operator and station licenses.

According to the FCC, Haynie made several arguments in support of his request, saying that he is not a habitual offender, that since his conviction he has not violated any FCC rules, and that his conviction was not Amateur Radio-related.

Haynie also said that he has properly operated his amateur station for more than 25 years, and that he obtained his license at an early age, cherishes it dearly, and would do anything in his power to adhere to the rules in the future. He also argued that revocation of his station license would not be in the best interests of the public because of the role amateur operators can play during times of disaster.

The FCC found Haynie's arguments unpersuasive, calling his interfering with a communications satellite egregious conduct, and affirmed the operator license suspensions for their remaining terms, as well as revocation of his WB4PVK station license.

- ARRL Bulletin 106, 11/17/92

From the Old Goat

Jim Romelfanger,
K9ZZ, Editor



★ This being our December holiday season issue, we'll use stars to indicate different items, instead of those little "bullets."

★ It's the end of another year, and a most interesting one it was. Best I begin with expressing the sincere thanks and gratitude of all the BSSS staff to all who sent along material to publish during 1992. Were it not for all those unselfish folk, this paper would be just plain boring. I am extremely reluctant to try to name everyone, because of the great risk of leaving someone out. Let's just say a most heartfelt **THANK YOU** to the writers, cartoonists, photographers, and everyone else who gave so willingly of their time and tremendous talents to make this newspaper educational, informative, interesting, and entertaining. You all know who you are.

Remember that we can *always* use - and *need* - articles, stories, cartoons, and good quality photos. They keep this newspaper alive. Please send them to the editor. We'll appreciate them, and our readers will, too.

★ As we told you in our November issue, Mark Jenks, NZ9B, of Mount Horeb, has petitioned the FCC for two Megahertz of spectrum for the Amateur Radio Service in the area of 30 to 35 MHz to replace the two Megahertz the FCC reallocated to the land mobile service in our former 220-225 MHz band (now 222-225 MHz). It's a great idea, but it's a safe guess the Commission will dismiss the petition without any action at all.

It is ironic that the FCC took that 2 MHz of our former 220-225 MHz band away from us just about the same time the no-code Technician class

license came into being. No-code Techs *must* operate above 30 MHz. The resulting explosion in the U.S. radio amateur population with the addition of the no-code Tech license shows clearly that we need *more* VHF and UHF spectrum, not less. The VHF bands are going to be more and more crowded with the rapid influx of no-code Techs.

The Amateur Radio Spectrum Protection Act of 1991, introduced in both houses of Congress in 1991, is *not* dead. The House version will have to be re-introduced, but the Senate version, S. 1372 (introduced by Vice-President-elect Al Gore), is still very much alive. The House version will probably be re-introduced. When the call comes to support these bills during the 103rd Congress, let's do it. The Senate version of the Act, if passed by Congress and signed into law by the president, will prevent the FCC from taking frequency allocations from the Amateur Radio Service without giving us the equivalent amount of spectrum, with similar propagation characteristics. Congressional action is an absolute must.

★ Last month, we published a form for operators of "specialty nets" (swap nets, club nets, etc.) to complete and send to us. We've received four thus far, but we'd like to run a more complete list. To have your net included, please complete the form on page 13 in this issue and send it to K9ZZ.

★ Finally, from my family ("Scruffy," my guinea pig and myself) to all of you: **Happy Holidays!** □

Ham Radio Balloon Flight A-OK

Continued from page 10

x 12 SASE and a piece of posterboard inside to the address at the end of this story. WARBA also invites clubs and groups to build payloads to be flown.

For more information, you can write to W.A.R.B.A. at: Wisconsin Amateur Radio Ballon ssociation, Route 1, Box 235-A, Hillsboro, Wisconsin 54634. □

USED AMATEUR RADIO EQUIPMENT

We buy, sell, and trade ■ consignments accepted



We buy, sell, trade, and repair antique clocks

✓ Ham Radio gear traded for clocks

✓ Clocks traded for Ham Radio gear

Our stock changes frequently!

RADIO RECYCLERS

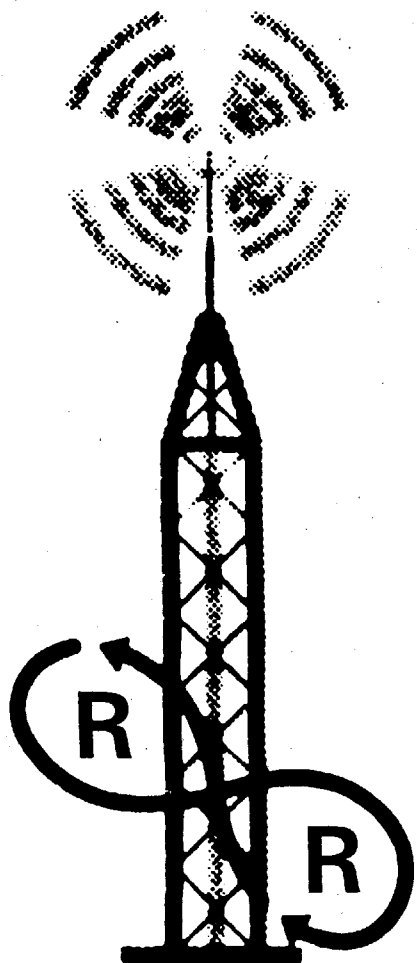
Neil Lawton, WK9Q

3221 W. Lincoln Avenue • Milwaukee, WI 53215

☎ (414) 383-9001

Open Monday, Tuesday, and Friday from 10 - 5; Saturday from 10 - 2

Mail a card with a list of your wants and your phone number to be added to our computer data base!



League Tells FCC Foreign Licensing Plan is Impractical

Continued from front page

The League said it appeared that the FCC proposal "may well exceed the statutory authority that the Commission has to utilize volunteers in preparing and administering examinations for amateur licenses."

The League then pointed out *practical* problems in implementing the FCC's plan, saying that the logistics for a foreigner in locating suitable volunteer examiners, arranging for a meeting, and perhaps having to take a written exam in a foreign language - English - actually would be a more difficult process than the current method of applying in advance, by mail, for a reciprocal operating permit.

And most important of all, the League said, is that the FCC proposal would place a heavy burden on volunteer examiners.

VEs would be asked to evaluate the visiting amateur's documents, including the Amateur Radio license, which might be printed in a language other than English.

It would also be a "daunting task," the League said, for a volunteer examiner to decipher just what operating privileges a visitor's amateur license accorded him in his own country.

"The procedure," the League said, "is overly cumbersome for the visiting amateur as well, and is certain to discourage most foreign visiting amateurs from participating."

The League also noted that under the proposed system visitors could arrive in the U.S. with amateur gear and a foreign license - but with no U.S. paperwork - a Customs nightmare.

Another Approach Suggested

As an alternative, the League suggested the U.S. "take the lead" in establishing a worldwide common license, using the International Driving License (IDL) as an example, a license valid only in countries and not in the country of issue.

A first step toward such an international license would be for the U.S. to join the licensing system now in place in Europe under the European Conference of Postal and Telecommunications Administration (CEPT). The CEPT agreement permits outside countries to join for purposes of Amateur Radio licensing *only*.

The League suggested that a demonstration of U.S. leadership in joining the CEPT amateur licensing system would be an important first step toward an eventual worldwide amateur licensing arrangement.

The League said that its suggestion of participation in CEPT was made to illustrate just one possible alternative to the proposal by the FCC, and requested that rather than adopt the proposal in the Notice, the Commission begin further proceedings in search of alternatives.

- The ARRL Letter, 10/28/92

Happy New Year!



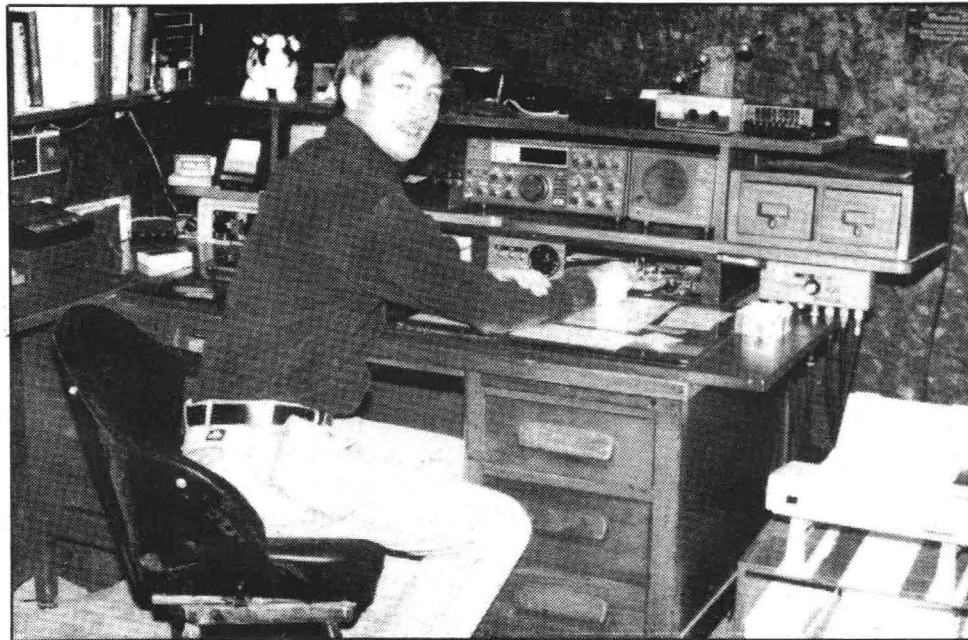
SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE: Ten-Tec 226 crystal calibrator (for Argosy or Century 22), \$20 shipped. Ten-Tec 208A CW filter/notch filter (for Argonaut 509, 515), \$40 shipped. Ten-Tec 210 power supply, 12 volts, 1 amp, for Argonauts, \$25 shipped. Paul Goemans, WA9PWP, 4326 Clover Court, Madison, WI 53711.

His Honor Takes a Break



Denny Rybicki, K9-LGU, Mayor of New Holstein, WI, demonstrates how he relaxes from mayoral and teaching duties. When he's tired of politic-speak and student-speak, he turns to ham radio-speak for fun! A cracker-jack CW operator, this guy is!

- Photo by
Les Peterson/W9YCV

ARRL Instructor of the Year/ARRL Professional Teacher of the Year

Now's the time to thank your favorite Amateur Radio instructor for his or her hard work and dedication to you and the hobby. Nominations for the Herb S. Brier Instructor of the Year and the ARRL Professional Teacher of the Year Awards are due to your Section Manager (In Wisconsin, K9GDF; see p. 2) by January 31, 1993. Winners receive special mention in *QST*, as well as various Amateur Radio publications. In addition, a plaque is awarded to honor their hard work.

Congratulations to 1991's winners: Volunteer Instructor Thomas Hammond, N0SS, and School Teacher Patricia Hensley, N4ROS.

- ARRL Bulletin 107, 11/18/92

21ST ANNUAL MIDWINTER SWAPFEST

SUNDAY JANUARY 10, 1993

8:00 AM - 2:00 PM
WAUKESHA COUNTY EXPO CENTER FORUM
WAUKESHA, WISCONSIN

ADMISSION: \$3.00 Advance - \$4.00 At Door

RESERVED TABLES: First Single 4 Ft. Space \$3.00 - At Door \$4.00

Additional 4 Ft. Space \$4.00 - At Door \$5.00 (As Available)

(Example: 8 Ft. \$7.00 - At Door \$9.00)

ELECTRICAL OUTLET: \$5.00 (If Available)

FREE COFFEE AND DONUTS Until 9:00 AM

FOOD AND REFRESHMENTS At Our Usual Low Prices

AMATEUR EXAMS in Expo Arena

RESERVATION DEADLINE December 31, 1992 - Order Early

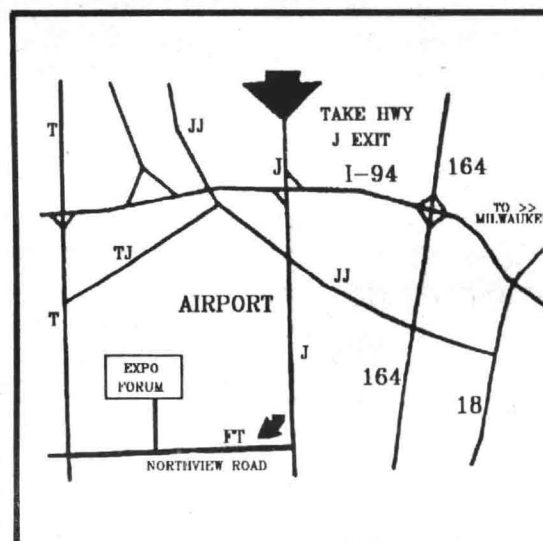
THE WEST ALLIS RADIO AMATEUR CLUB

Midwinter Swapfest • Wisconsin QSO Party • WARAC Memorial Scholarships

Admission Tickets at \$3.00 Each
(Admission must be purchased if reserving tables.)
Table Reservations at \$3.00/First 4 Ft.
\$4.00/Additional 4 Ft.
Electrical Outlet \$5.00 (If Available)
Amateur Exam Information

Name _____
Street _____
City _____ State _____ Zip _____
Phone () - _____

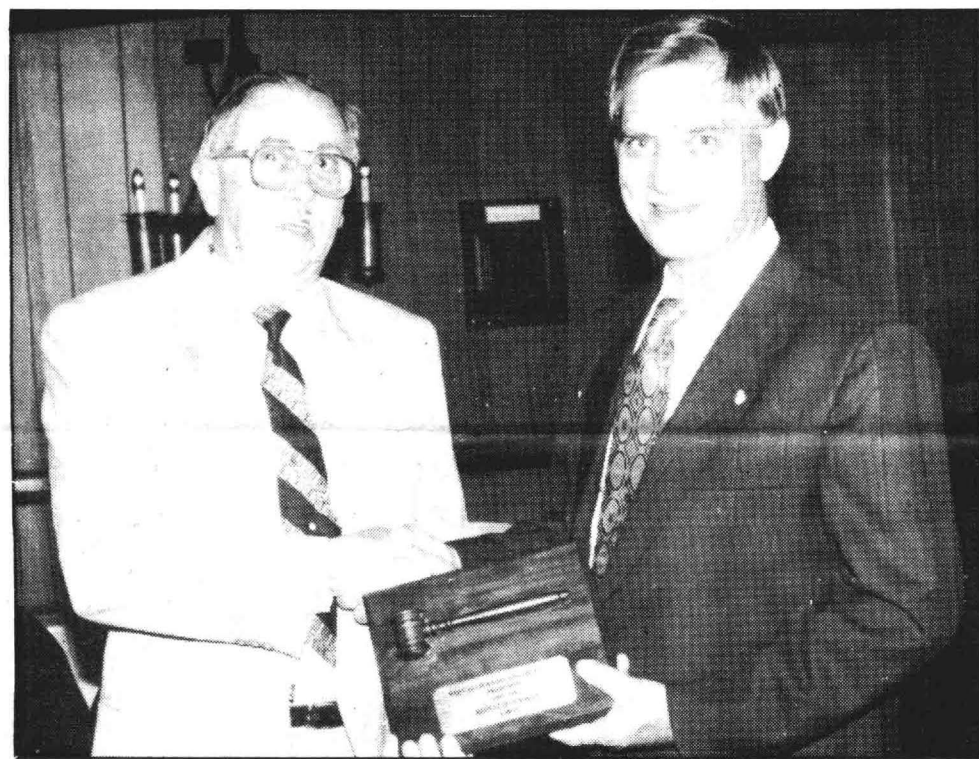
Mail with S.A.S.E. to:
WARAC SWAPFEST
P. O. BOX 1072
MILWAUKEE, WISCONSIN 53201



Awards Presented at West Allis Club Dinner



The West Allis Radio Amateur Club recognized the hard work of two of its members at its recently-held Awards Dinner. Les Peterson, W9YCV (left), received the WARAC Member of the Year Award from Ralph Tramm, WT9P, Awards Dinner Chairperson.



Ron Hooker, K9WTF (left), received a plaque as retiring WARAC president from Ralph Tramm, WT9P. The club, one of the more active in Wisconsin, sponsors the annual Mid-Winter Swapfest at Waukesha every January and the Wisconsin QSO Party each March. The club also helps deserving young radio amateurs with post-high school education with several annually-awarded scholarships.

- Photos courtesy Les Peterson/W9YCV

Are You Interested in LowFers and MedFers?

Greetings from Maryland. I am getting ready to put a server on my BBS that will enable users from anywhere in the country to obtain information on beacons. This is particularly aimed at the LowFer and MidFer beacons; that is, 160-190 kHz and broadcast band beacons. I will consider putting other beacon information in the database as time permits as well.

What I need is reports for my database. Please include the following info: (1) Beacon ID, (2) Frequency (zero beat carrier in CW mode), (3) Reception date, (4) Grid square of beacon or latitude and longitude, if known, (5) City and state of beacon, (6) Operator's call, if a ham, and (7) His packet address, if on packet. Don't forget your packet address.

I may also put a list of LowFer and MidFer operators into a database that users may retrieve. This could be for QSL addresses or obtaining general information. Most of the beacon operators seem to like both of these ideas, so come on, guys and gals, start listening to the frequencies mentioned above.

73 from Jim, WA3MEJ@WA3MEJ.MD.USA.NOAM. (James L. Sears, WA3MEJ, 110 Sunset Drive, Glen Burnie, MD 21061.)

- Packet bulletin

New Russian Amateur Satellite Scheduled for Early 1993 Launch

Pat Gowen (G3IOR) reports that OSCAR enthusiasts should expect the launch of RS-15 to happen sometime between February and April of 1993. The expected orbit will place RS-15 into a 2,300 km circular orbit, and with an orbital inclination of 63 degrees.

This satellite is basically a clone of RS-10/11, and weighs about 70 kg. It was built by the same successful team which has built all previous RS birds. The team leader for this new RS bird is V.N. Arbuzov at the NPO of Applied Mechanics in the city of Krashoyarsk.

RS-15 will be a mode A satellite, and will have two telemetry beacons. Also, RS-15 will have an on-board bulletin board system (BBS) that with 2 Mbytes of RAM memory. The following is a list of frequencies that RS-15 will utilize:

Uplink:	145.857----> 145.897 MHz	Beacon #1:	29.398 MHz
Downlink:	29.357----> 29.397 MHz	Beacon #2:	29.353 MHz

As one can see, the passband is 40 kHz wide, and this is a non-inverting transponder. RS-15's beacons will send down 64 items of telemetry. The transponder's RF downlink power will be around 5 watts and the beacon's RF output power will be 0.4 watts but, with a command from the ground, the beacon's output power can be increased to 1.2 watts. The antennas will be quarter-wave monopoles for both uplink and downlink.

If you are interested in performing experimental studies with RS-15 and would like to find out more about RS-15, you are invited to write to Mr. V.S. Yamnikov, Laboratory of Aero-Cosmic Technology, ROSTO, ul. Zemlynoi Wal 46/48, Moscow 103 064, Russia.

Also, Dr. Alexander Zaitzev (RW3DZ) is handling all of the public relations efforts for RS-15. If you would like to contact Dr. Zaitzev, he can be reached on INTERNET at his INTERNET address of rw3dz@rw3dz.public.su for more information about RS-15.

(The AMSAT News Service would like to thank Pat Bowen [G3IOR] for the information which went into this bulletin.)

- AMSAT News Service Bulletin 326.03, 11/21/92

Radio Amateur Loses License for Satellite Interference

The FCC has suspended the amateur and commercial operator licenses of Thomas M. Haynie, WB4PVK, as well as revoked his amateur station license.

In September, 1990, Haynie, of Virginia Beach, Virginia, was convicted of deliberately causing interference to a communications satellite (a felony), as well as of a criminal violation for the unauthorized operation of a satellite transmitter. He received a suspended sentence, a 1,000 dollar fine, and was ordered to perform 50 hours of public service work. The conviction was upheld by an appeals court in August, 1991.

On July 31, 1992, the FCC ordered the license suspensions and revocation, and notified Haynie of his right to a hearing on the suspension orders. Haynie responded with a letter to the FCC Private Radio Bureau, in which he did not ask for reconsideration of the suspension of his commercial license but did argue for retaining his amateur Advanced Class operator and station licenses.

According to the FCC, Haynie made several arguments in support of his request, saying that he is not a habitual offender, that since his conviction he has not violated any FCC rules, and that his conviction was not Amateur Radio-related.

Haynie also said that he has properly operated his amateur station for more than 25 years, and that he obtained his license at an early age, cherishes it dearly, and would do anything in his power to adhere to the rules in the future. He also argued that revocation of his station license would not be in the best interests of the public because of the role amateur operators can play during times of disaster.

The FCC found Haynie's arguments unpersuasive, calling his interfering with a communications satellite egregious conduct, and affirmed the operator license suspensions for their remaining terms, as well as revocation of his WB4PVK station license.

- ARRL Bulletin 106, 11/17/92

Editor's note: Your editor, and probably many of our readers, know little or nothing about these beacons. I believe they are limited to one watt of output power, and a 50-foot antenna, including feedline. We'd like very much to have a story to publish about LowFer and Midfer beacons. Does anyone care to enlighten us all with an article about these intriguing QRP beacons, including how to put one on the air, and telling how far away from the transmitter they can be heard when propagation is right? Such articles should be sent to the editor.

TNT The No-Tune Multiband Antenna
complete, assembled, ready to use

TNT is the modern coax-fed version of the classic Windom. TNT is No-Tune on 80 cw, 40, 20, 17, 12, 10. TNT-2 is No-Tune on 40, 20, 10. Work other bands w/ tuner. DX & Gain rise w/ frequency. Ready to Use Now! Includes Custom Isolation Balun and 99 ft. RG-8x feedline.

Tech Support 801-373-8425 for info send \$1

AntennasWest
Box 50062-SS, Provo, UT 84605

TNT \$89.95 - \$6
135 ft. long P&H

TNT-2 \$79.95 - \$7
87 ft. long P&H

Order Hotline 800-926-7373

Custom 2KW TNTs-add \$70

The TNT secret? Feed a resonant antenna off center at a constant impedance point. Tune it with a feedline isolation balun. Result? DX, broad low SWRs, and easy multi-band No-Tune operating.

Dayton Scholarships

The Dayton Amateur Radio Association is now accepting applications for its annual \$2,000 scholarships. Licensed amateurs graduating from high school in 1993 are eligible. Please make this known to any amateurs in your area who may qualify. For further information and application forms, send SASE to DARA Scholarships, 45 Cinnamon Court, Springboro, Ohio 45066-1000.

Advertising Sales Representative Needed

Badger State Smoke Signals needs an advertising salesperson. A commission is paid, as are certain expenses. If you are interested, please contact Publisher Ken Ebner, K9EN, 822 Wauna Trail, Portage, WI 53901. Telephone (608) 742-3560.

Hams are Communications Backbone When Hurricane Iniki Slams Hawaii

By Ron Hashiro, KH6JCA

Excerpted from *The ARRL Letter*, 11/12/92

On Friday, September 11, 1992, Hurricane Iniki slammed into the Hawaiian island of Kauai, the northwestern-most of the Hawaiian Islands chain. In a matter of hours, the 51,000 residents experienced the effects of 165 mph winds. More than 8,000 people became homeless when more than 7,000 homes were either destroyed or severely damaged. The storm caused an estimated \$1.6 billion in insured losses to both homes and businesses, and left an estimated 6,500 people without jobs.

Fortunately, Hurricane Iniki did not directly cause any deaths on Kauai.

As the winds whipped across the mountain tops, microwave transmission antennas warped and entire radio towers fell. Phone service began to fail. By mid-afternoon, as the storm passed, Kauai residents could no longer make long-distance telephone calls. Amateur Radio became the only direct link between Kauai and Oahu, the closest neighboring island. Hams relayed early messages that would jump-start the emergency operations and set the stage for the growing relief efforts.

Kauai amateurs banded together on the radio and behind the scenes, putting on an incredible display of operating skill combined with a unique kind of aloha spirit for getting things done.

The Setting

Public service has always been one of the cornerstones of Amateur Radio. The Radio Amateur Civil Emergency Service (RACES) was created as a means for the Amateur Radio service to serve civil defense agencies during times of war and disaster. The RACES program for the Hawaii State Civil Defense (SCD) had been dormant for several years until Robin Liu, AH6CP, initiated a dialogue with SCD in 1985 to reactivate Amateur Radio participation in the state's Civil Defense plans. The first fruit of his labor enabled a team of hams led by Liu to construct a VHF repeater radio network spanning the various islands to be used in emergencies.

In addition, a series of packet digipeaters on 2 meters had been installed by Hal Sprague, KH6GPI, and Robin Liu, spurring additional growth and interest in state-wide VHF FM packet radio operations.

Throughout the week, Hurricane Iniki had travelled south of the Hawaiian Islands along a northwesterly path. By Thursday, the storm had turned northward and was headed straight for Kauai. Cliff Ikeda, NH6HF, the Civil Defense Communications Officer for Kauai County, was on Oahu for a series of meetings. He was dining at a restaurant when he received a call from Kauai Mayor Jo Ann Yukimura that Iniki had turned toward Kauai and to report to the airport immediately for a return flight.

Friday Morning

The author resumed the state RACES net (from the evening before) at 4:30 a.m. Oahu and Kauai residents awoke to emergency sirens and immediately tuned to the broadcast stations for the latest official bulletin. All non-essential workers were advised to stay home. In moments, the telephone systems on Oahu and Kauai were jammed by a flood of phone calls as workers frantically tried to contact their workplaces. Undisturbed by the frenzy, Amateur Radio operators continued to prepare and provide interisland communications.

From his office at the National Weather Service in Honolulu International Airport, weatherman Mike Morrow, KH6JQM, activated the Skywarn radio net. He was soon joined by Ronald Henry, N9KWW, and Bill Stookey, WH6EL. The Skywarn net collected weather observations from amateur radio operators and relayed the latest weather analysis. When the NOAA radio failed later that day, Skywarn turned to Amateur Radio.

At the Kauai EOC - in the basement of the County Building in Lihue, Kauai's main town - Communications Officer Ikeda became fully involved with emergency preparation meetings with Mayor Yukimura and her staff, pausing only to brief state Civil Defense officials on amateur VHF FM voice. Robbie Reneau, KH6JIV, also in Lihue, passed timely reports via the RACES VHF repeater system to Robin Liu, AH6CP, and Pat Corrigan, KH6DD, at SCD in Honolulu.

Community resources (on Kauai) began failing and continued to fail as the winds picked up. At 11:35, Kauai broadcast stations went off the air; at 12:22, power was intermittent; and at 13:12, major structural damage began in Kihue. At 15:04, telephone service out of Kauai was lost and government radio had failed. Shortly after that, the NH6HF RACES repeater on Kauai went down, and voice operations switched to the Hawaiian Tel Amateur Radio repeater, KH6JPL, located on the Waianae mountain range on Oahu. This 2-meter repeater covers most of Oahu and - thankfully - parts of Kauai.

Safe within the basement of the Kauai County Building and powered by a generator, NH6HF's VHF voice and packet radios became the last remaining links from Kauai. Liu apprised Communications Officer Cliff Ikeda, NH6HF, of the latest storm position and forecast by reading the National Weather Service teleprinter bulletins. At 4 p.m., during the height of the storm, the mayor asked Ikeda to contact Governor John Waihee via Amateur Radio. Billy Gomban, KH6JPL, the Hawaiian Tel ARC repeater trustee, offered the use of the repeater's control codes from Gomban and initiated the repeater's reverse autopatch for the governor.

Governor Waihee assured the mayor that relief materials and federal aid were coming. Without firm damage reports and judging from the flying debris, Yukimura observed that the damage was extensive and listed the items most needed. The phone patch confirmed the damage was widespread, and intensified the emergency and relief response.

The author transcribed the details of the phone patch onto a radio message form and gave it to state CD officials for their review. Minutes later, the governor arrived at state EOC and was about to inform the officials of the mayor's request when he saw a complete hardcopy of the message in the officials' hands. Governor Waihee was very impressed and pleased with the speed and completeness of the Amateur Radio operations.

The Hurricane Passes

By 7:30 p.m., the storm had subsided enough for people to come outside and move about. Through the faint glow of the moon, residents could see that many homes had lost roofs, walls, and contents. Driving was hampered by the pitch black roads, tree branches, debris, and fallen utility poles.

Messages began to flow between Oahu and Kauai as Kauai hams returned to the airwaves. By now, hundreds of health and welfare messages had poured into Hawaii via HF packet. Oahu amateurs began holding the inbound H&W traffic, since most of the telephones were out and virtually every Kauai ham had more immediate personal situations to attend to.

Evacuating critically injured and kidney dialysis patients became one of the top priorities. St. Francis Medical Center in Honolulu advised state CD that 55 patients were undergoing dialysis treatment on Kauai. With no water service at the Kauai hospitals, the Kauai patients would have to be treated on Oahu. The message was relayed to Kauai EOC.

Since all Kauai broadcast stations were off the air, Kauai government officials turned to Oahu broadcast station KSSK-AM to inform their community. The author used VHF FM to patch the Kauai officials to KSSK for a live radio announcement, to update the community and give the order to transport the kidney patients to the nearest fire station. By Saturday afternoon, all kidney

Please turn to page 12

FCC Amateur Call Signs

The following is a list of the FCC's most recently issued call signs as of November 1.

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0KO	KG0BQ	N0UMM	KB0KTT
1	AA1EJ	KD1LA	N0NRO	KB1ALH
2	AA2LL	KF2LA	N2STS	KB2PNP
3	AA3CH	KE3FK	N3NOO	KB3AJL
4	AC4WUS	KQ4IG	++	KD4TWT
5	AB5IY	KJ5GB	++	KB5VWB
6	AB6OV	KN6CN	++	KD6OSU
7	AA7SE	KI7Q	++	KB7QNG
8	AA8JC	KF8XP	N8VZO	KB8OJC
9	AA9FG	KF9MA	N9RIE	KB9IFD
HAWAII	++	AH6ME	WH6JN	WH6CQA
ALASKA	++	AL7ON	WL7GNL	WL7CGF
PUERTO RICO	++	KP4UK	++	WP4LND

++ All call signs in this group have been issued in this area.
- ARRL Bulletin 109, 11/24/92



Johnsen Computer Systems

• Sales • Rentals • Service
• Leasing • 100% IBM Compatible

(608) 356-5515

Bill Johnsen
President

402 Broadway
Baraboo, WI 53913

WISHING YOU AND YOURS



A SAFE AND HAPPY
HOLIDAY SEASON

FROM

JILL & SCOTT

AT TOWER ELECTRONICS



IF YOU DRINK,

HAVE A FRIEND DRIVE YOU HOME

W.A.R.B.A. October Balloon Flight Successful

Continued from front page

and St. Louis, Missouri. HF contacts were made from all over the United States - California, Louisiana and Florida, to name a few.

Saturday, October 31 began with disappointment as the launch and ground station personnel, consisting of Joe Mayenschein, WB9SBD; Tim Tomljanovich, K9SB; Linda Mayenschein, KA9CHM; Chris Mayenschein, KB9FGZ; Terry Pliner, N9OUE; Ralph Gray, N9IXO; and Scott Neader, KA9FOX, were greeted by overcast sky and an increasing surface wind to the southwest as they made their way to the launch site southeast of Hillsboro, Wisconsin.

They established contact with Chuck Crist, WB9IHS, and received his computer projected flight plan for their anticipated flight based on winds aloft data from National Weather Service meteorological balloons released earlier that morning. Chuck is an avid high-altitude Amateur Radio ballooning enthusiast and staff member of the Federal Aviation Administration office in Indianapolis, Indiana. His computer simulation, based on the forecast winds aloft data, estimated the landing site to be 1-2 miles southeast of Wyocena, Wisconsin - 63 miles east-southeast of the launch site.

Only one problem remained, the overcast sky. A call to FAA's Chicago Center - air traffic control authority for the flight area - yielded authorization to proceed with the flight. The overcast condition was less than 1000 feet thick and the balloon package would only be in the cloud deck for less than 1 minute on ascent. Upon this news, the launch crew's spirit's brightened as pre-flight operations continued and the balloon inflation began.

As pre-flight operations proceeded at the launch site, the chase / recovery personnel were setting up their equipment at various locations between Madison and Montello, Wisconsin. The chase / recovery teams consisted of Jim Kalrath, N9KAN; Dave Mullenix, N9LTD; Randy Mueller, KB9FAI; Tom Lazar, N9RCR; Ernest Erickson, KA9UCE; and Steve Loeffler, WB9ZRE.

During pre-flight, various communications were conducted on the Baraboo repeater (146.28/.88) providing balloon launch status and chase crew locations.

At 10:31, Linda announced that the balloon was aloft and all radio systems were operating perfectly. At about the same time, receivers of chase crew members became active with contacts in progress as the balloon, rising at 1000 feet per minute, passed 2,500 feet in altitude. A few minutes later, Linda reported that the launch site had lost sight of the balloon in the cloud deck.

Chase crews, using the Baraboo repeater, coordinated their directional bearings on the balloon as it changed direction from southwest to northwest to east as it ascended into the jet stream at 28,000 feet. Distant stations through out the midwestern US became more frequent as the coverage extended with the altitude of the balloon. As the chase crews reported their readings, it became apparent that the winds aloft had increased since the early morning sampling. The package was clearly going to overshoot its projected landing site by a wide margin.

A quick estimate of 40 minutes aloft to an estimated flight of 3 hours placed the revised landing site at - Horicon National Wildlife Refuge - 10,000 acres of wetlands, accessible only by boat. (Certainly, "Murphy" had a hand in this!). As chase teams converged on the cities of Waupun and Beaver Dam on the west side of the marsh area, the radio reception from the balloon changed perceptibly, indicating to veteran trackers that the balloon had burst and the package was free-falling to 60,000 feet where wind resistance would open the parachute. Weather conditions in the revised landing area worsened as the cloud deck lowered to less than 500 feet, winds increased and rain was intermixed with heavy haze - visibility was reduced at times to less than 1/2 mile.

As the balloon passed the final 5000 feet before landing, two chase crews were positioned in Waupun and Beaver Dam to attain a last accurate

directional heading before loss of signal. The crews would then converge on the triangulated area and conduct a grid search to key up the repeater and narrow the search further. Triangulation reports estimated that the package had landed on the east side of the Horicon National Refuge - whether in the refuge or farther east in hilly farm country, was anyone's guess. If either report was off by 10 degrees, it could mean that the package had landed in the middle of the marsh or as far east as Interstate 41. The search area was narrowed down to 150-200 square miles - no problem, right? Wrong!

As the crew members worked through the search area, a feeling of dread spread through the group as the repeater failed to respond to attempted activation. The search area was checked again and the area was widened. Still no luck. Five hours into the ground search and a third search of the increasing search area, now 500 square miles) yielded no responses. General consensus with the chase personnel was that the repeater was damaged on impact or the antenna was underwater somewhere in the marsh. The search continued into the evening when, at 9 p.m., the search was suspended until the next morning.

As it turned out, a continued search was not necessary, for the package had been found even before it landed. As it turned out, the package nearly landed on two brothers - Walt and Paul Marceau - who were out goose hunting on the east side of the Horicon National Refuge! Their first indication of the event was that their hunting dog, a Labrador Retriever heard the location beeper while the package was descending through the cloud cover. When Walt looked in the direction that the lab was looking - up, he saw the package appear through the clouds and told Paul to look up. They both watched the package land less than 100 feet from them and approached it with caution. Paul described it this way, "We didn't know what it was. We first thought it might be a bomb because it was beeping. Then we thought it might be a drug drop that had landed in the wrong place! It's a good thing we shot it first!"

Paul recognized the antenna was detachable and disconnected the antenna within 3 minutes after the package landed, rendering the repeater inactive! The telephone number printed on the outside of the package indicated a reward and when the two brothers returned home, they called the number and left the message that they had found the package. For finding the package, they were rewarded with a check for \$50.00 - a more profitable day, as it turned out, than their goose hunting!

Tim, K9SB, reports that the photographs taken on this flight turned out very good, better than the previous flight this summer. (One of the photos taken this summer clearly shows the edge of the atmosphere at the curved horizon, with the intense black of space above and the scattered cloud covered Earth 23 miles below).

Several people deserve special recognition for making this flight and previous flights successful:

Thanks to Roger Wayman, of Standard Amateur Radio Products, Inc., who recognized the efforts of the W.A.R.B.A. group to sustain a new direction for Amateur Radio in Wisconsin. He offered W.A.R.B.A. a deep discount on a used but fully operational factory demo radio. The C528A was an ideal radio for use aboard the flight and performed flawlessly. Its lightweight, ruggedly construction is loaded with so many features that the group is upgrading its thinking for future flights.

Thanks to Stan Hill, N9FXU, for loaning the AEA HF HT for the flight. More than two dozen contacts were made with Amateurs on 10 meters SSB. The pile-up that resulted on the 10 meter frequency sounded like a pile-up for India or China!

Thanks to Chuck, WB9IHS, for providing computer projections of anticipated landing areas for all of W.A.R.B.A. flights. For this flight, due to the rapid change in upper wind speeds and the less than current data, his simulation prediction was a little off (in distance only, the direction was very close), however, the previous three flight predictions were within 2 miles of the actual landing site - one was within 1/4 mile! Not bad for working

Attempt at Around the World Flight Planned for Next WARBA Balloon

In the next few weeks, the Wisconsin Amateur Radio Balloon Association will attempt its next flight, its first try to send a balloon-carried Amateur Radio package completely around the world.

The payload for this flight will be very simple, consisting only of a small CW beacon transmitting on 14.317 MHz in the 20-meter band. The transmitter will have an output power level of approximately 50 milliwatts. The continuously-repeating message will be as follows:

DE WB9SBD/BCN BALLOON PSE QSL OO OO
OO OO OO OO OO OO OO OO OO OO OO

The 13 sets of "OO" will be the easiest to hear.

The balloon will be cruising during the day at an altitude of around 75,000 to 80,000 feet. After sundown, it will seek a lower altitude of around 65,000 to 70,000 feet, and then rise to the higher altitudes after sunup.

For a QSL card from this flight, send a QSL with an SASE, with an accurate time of receipt of this portion of the beacon message:

WB9SBD/BCN BALLOON PSE QSL

Please also send reports of beam headings, signal strengths, times, etc.

There will be a WARBA station on 14.317 periodically to ask for signal reports.

If everything works as planned, the balloon should complete its around-the-world journey in three to four weeks.

The exact launch date is not yet known, as WARBA is awaiting donations to fund the flight. Updates will be given on the Baraboo 146.88 repeater, and in packet radio bulletins.

- Joe Mayenschein, WB9SBD

with "old" weather data!

What is on the horizon (or is that above the horizon), is a long-distance flight of an "Earth-winds" styled balloon system. The package will be a simple beacon with the potential to circle the Earth - serious enough to include multi-language instructions to anyone who might retrieve a partially successful mission.

It looks like a Packet radio flight may become a reality in the first half of 1993. This last flight proved the capability of a successful packet flight. Two meters would be used with possible 2 meter / 10 meter outputs.

Still in the works is a cross-band radio link with another balloon system launched simultaneously in another area of the United States.

Several people have suggested / requested another Amateur Television flight. Look for one in the first half of 1993.

The frequency of these flights are planned more around available finances than any other factor, funded through out-of-pocket expenses of the W.A.R.B.A. members and donations of equipment and money by a few supporters. The people funding these efforts allow the rest to participate and enjoy these unique operating opportunities. A typical flight costs anywhere between \$100 - \$200 to get off the ground, with the potential of a \$1000 loss if the package is not recovered. W.A.R.B.A. is always looking for additional support to provide more frequent and exciting flights.

WARBA has for sale prints of an 8 x 10 color photo, taken during a WARBA flight, at 115,000 feet. In the photo, the sky is black, and the haze of the atmosphere at the horizon, clouds, and the earth below are visible. For a print, send \$5.00 with a 9

Please turn to page 6

Riverland Amateur Radio Club

Dick Low, K0JYB,
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES NOVEMBER 3, 1992

The November meeting of the Riverland Amateur Radio Club was called to order by President Walt, AA9AW, at 7:05 p.m., with 25 members and at least 12 visitors in attendance (some people may not have signed in).

The reading of the minutes of the October meeting was dispensed with pursuant to a motion by Bill, KE9XQ, seconded by Feroz, WU9N.

The Treasurer's report was given by Duane, W9HWQ, and accepted as read.

COMMITTEE REPORTS

Swapfest: Chairman Judy, N9LGV, informed us that the RARC Swapfest will be held on Saturday, November 7, 1992 at the Onalaska Community Center, 515 Quincy Street in Onalaska. Tables are free, admission is free, although donations will be accepted.

VE Exams: Rick, KV9U, reminded us of the VE EXAM session which will be held on November 9, 1992 at 8 p.m. at the Onalaska Community Center. About twelve people have signed up so far, and walk-ins will be welcome.

Ham Radio Weekend: Chairman Bob, N9LZK, apologized for not being able to be at Riverside Park during the demo, assuring us that the event was fairly successful, although the weather was a deterring factor.

Special Interest Groups: No reports.

New Ham Class: Rick, KV9U, informed us of the new Ham Class starting one week after Thanksgiving and will continue on for 14 weeks, ending before the Rochester Hamfest. The location will be at the Church of Christ at 3506 So. 28th Street in La Crosse.

Rick also announced the date of the 1993 Hamfest as being August 28, 1993. It will be held jointly with the Antique Radio Club at the Onalaska American Legion pole building.

Programs: According to chairman Feroz, WU9N, there will be no program for the December meeting because of the election of officers for the new year. There will be a gift exchange at the meeting, and names of members only will be drawn this evening and gifts exchanged at the December meeting, although no names

are to be revealed. Keep the cost to around five dollars or so.

The annual RARC party will be held at Christophers on the third Saturday in January. (January 16, 1993).

Nominating Committee: Consists of Kent, W9LZQ; Art, W0JDC; and Dean, KQ0C, according to Walt, AA9AW.

Meeting adjourned at 7:20 p.m.

The program for this evening was arranged by Feroz, WU9N. The meeting was held at the University of Wisconsin/La Crosse. A brief business meeting was held to allow time for a show in the Planetarium in the basement of Cowley Hall. The show, entitled "Above and Beyond" was excellent. A number of constellations were pointed out, and the show gave us a look into the future of space exploration. Thank you, Feroz.

Submitted by Dick, K0JYB

MEETING ATTENDANCE

Dick Low	K0JYB
Feroz Ghouse	WU9N
Walt Altus	AA9AW
Brian McCarty	N9IWP
Bill Wood	KE9XQ
La Vonne Wood	XYL
John Jorenby	KA9ETH
Mike Warnock	WN9P
Richard Koebernick	KA9ZZK
Duane Fruechte	W9HWQ
Dan Abts	N9PZC
Michael Abts	Guest
Jim Brooker	N9DBK
Barb Brooker	Guest
Lindsey Brooker	Guest
Art Osborn	W0JDC
Bob Wilson	N9LZK
Phil Uehling	W9UP
Roger Rhode	Guest
Jim Darnell	Member
Judy Williams	N9LGV
Rick Williams	KV9U
Clarence Crum	N9NXW
Jim Molledahl	W9BI
Keith Hollat	KB0KII
Ken Eggen	WA0RBU
Genive Eggen	Guest
Rachel Hollatz	Guest
Paul Bisping	N9PZB
Brent Atchison	N9PZD
Derba, Kristi & Kelsey	Guests
Roger Christenson	Member
Karl Simonson	KB9EQI
Scott Neader	KA9FOX

Eau Claire Amateur Radio Club

Don Franzmann, W9NFJ, Secretary

2728 Marilyn Drive • Eau Claire, WI 54701

MEETING MINUTES NOVEMBER 10, 1992

The meeting was called to order by President Bill Jablonske, W9NNS, at 7:32 p.m. The secretary's and treasurer's reports were approved as read. The treasurer stated that dues for 1993 are now being accepted. Introduction of members and guests followed.

The nomination committee announced the following candidates for club officers in 1993:

President: W9NNS, K9HWN

Vice-President: N9OHE, N9OHG

Secretary: N9LIJ, N9HME

Treasurer: KB9EUP, N9NFK

Ballots will be mailed to members and must be returned by December 4th to be counted. Carl, W9NW, and Bob, W9BAR, will tabulate the results and report at the December meeting.

Following a brief discussion regarding the new repeater "Blue Book", the club authorized its printing. Bill, W9NNS, will be responsible for this final phase.

Bill, W9NNS, reported on the unauthorized use of the repeaters. The situation has improved considerably.

President Bill suggested that "repeater issues" be addressed at our January meeting.

The club's annual Christmas party will be held on the normal meeting night, Tuesday, December 8th, at the American Legion Hall on Water Street. Happy hour begins at 5:30 p.m., with the meal to begin at about 6:30 after a brief meeting. As usual, all are reminded to bring a dish to pass and their own plates and utensils. The club will furnish ham and rolls, coffee, and soft drinks. Wheel chair accessibility will be provided.

Following the adjournment of the business meeting at 7:55 p.m., Dr. Tom King, WF9I, provided an extremely interesting program, describing how his research activities have provided a means for severely handicapped people to be taught the basic Morse code and how to use a computer, thereby establishing a means of communication. Those of us who think that Morse code is antiquated better have another look.

Respectfully submitted:
Don Franzmann, W9NFJ, Secretary

Mancorad Radio Club

John Meyer, NZ9Z, Secretary

P.O. Box 204 • Manitowoc, WI 54221-0204

MEETING MINUTES NOVEMBER 11, 1992

The November meeting of the Mancorad Club was called to order by President Chuck, N9KGL, at 7:30 p.m. In the absence of the club Secretary, John, NZ9Z, who was working a night shift, Board Member Ron, WS9X, took notes on the meeting.

The Treasurer's report was approved as read.

The Minutes of the last meeting were approved as published in the *Badger State Smoke Signals*.

OLD BUSINESS

Red, N9GHE, gave a report on the status of the .61 repeater upgrade. He is still waiting for the channel element, power transistors and crystals for the new transmitter, all of which are on order.

Membership renewals are due for the new membership year, and are payable to the Club Treasurer, Janice, N9IQZ. You need to pay on or before the December 9th meeting to continue getting the *Smoke Signals* without interruption. Also, don't forget the Midwinter Banquet on January 30th at the Cedar Ridge Restaurant in Maribel. Reservations must be paid for in advance. (See last month's Minutes for details, or contact any club officer.) Guest speaker at the event will be club member Dave Schmocker, KJ9I, who will show slides or a video of the epic South Sandwich Islands DXpedition in which he participated.

Chuck, N9KGL, read the list of club equipment that's loanable to club members in good standing. Loanable club equipment is the following: the Swan HF rig, the Heathkit HW-100 HF rig, the gin pole, the climbing belt, any test equipment (grid dip meter, tube tester) and items from the radio magazine library. All loanable equipment will be due back within two weeks unless prior arrangements are made.

The 1993 Hamfest has been definitely scheduled for Saturday, May 8th, at Manitowoc Expo. We will have the building for a Friday evening setup. Red, N9GHE, and Ron, WS9X, will be coordinating the event.

NEW BUSINESS

A motion was made by Red and seconded by Howard, KE9YD, to advertise the Emergency Communications Vehicle for sale in the *Yellow Sheets* and the *Old Cars Market Place*. The intention would be to see what sort of offers we might get. The final OK to sell would have to come from the club as a whole. The idea is to buy a trailer that would be easier to manage, and set it up as the club's mobile emergency communications base. The motion passed.

Sign-up sheets were set out for the various committees for the upcoming year. The committees include: Special Events (Sub Event, Fly-In), Fund Raisers (Hamfest, etc.), Banquets, Programs, House, Membership & Publicity, Operations Manager, QRM, and Constitution Update. If you haven't already, please sign up to assist on one or more of these committees -- it's YOUR club!

President Chuck announced that the program after the meeting was about the Finnish Super Contest Station, PJ9W. The videotape about the operation would be introduced by Yogi, WN9Q. After that there would be a lunch prepared by Mary, KB9GOY, and Julie, N9PZX.

A motion to adjourn was made by Red and seconded by Howard. The meeting adjourned at 8:35 p.m.

Submitted for approval:
John Meyer, NZ9Z, Secretary

Attention Advertisers

Beginning on January 1, 1993, advertising rates in *Badger State Smoke Signals* are scheduled to be increased. If you are now advertising with us, or if you are a potential advertiser, you may advertise at the current rates for up to three years. Ads which are to run for two or three years are discounted 5 and 10 percent, respectively. For more information, contact Ken Ebner or Jim Romelfanger. See page 2 for addresses and telephone numbers.

1992-93 WNA Officers



The Wisconsin Nets Association elected officers for 1992-93 at its September meeting in New Holstein. They are pictured above, left to right, Rob Hummel, WA9ZTY, Marshall, Secretary; Larry Guthu, WB9ICH, New London, Chairperson; and Jim Merrill, W9AYK, Oconomowoc, Treasurer.

- Photo by Les Peterson/W9YCV

Happy New Year to all of our BSSS readers!

Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

RACINE MEGACYCLE MEETING NOVEMBER 9, 1992

The meeting was opened at 7:35 p.m. by President Brian, WD9FRH. Close to 30 Hams, including a few Novices, were present.

Treasurer, Dave, WB9ZIO, gave his report. New balance is \$256.43.

The minutes, as written in the *Badger State Smoke Signals*, were approved with minor corrections.

It is noticed that the proceeds from the Racine Bike Club was a donation, not any form of earnings from the use of the radio which is not allowed.

OLD BUSINESS

Dan, KA9OIL, gave a report on the nomination of club officers for 1993. The final nominations and election will take place at the December meeting, which is also the Christmas Party.

Bob, W0WLN, brought up the need to get the committee going for the Ham Dinner next spring, when the Ham of the year will also be announced. Bob asks the various clubs to look for candidates.

Dan, KA9OIL, explained to the new members what the dinner is and how it is run, with all radio clubs in Racine participating. The Committee for the Ham Dinner now includes Cheryl, WS9P, who will remain as an adviser, Brian, WD9FRH, Dave, WB9ZIO, and others.

President Brian, WD9FRH, gave a report on the Swan transmitter, which is in need of repair and what it would cost to do that. It will cost between \$85 and \$135. Bob, W0WLN, made a motion, which was seconded by Jim, W9LXY, that the club repair the Swan. After much discussion, the motion passed.

NEW BUSINESS

President Brian, WD9FRH, informed everyone about the upcoming Christmas Party, which will take place Monday, December 14, at the home of Cheryl, WS9P. It will be a Pot Luck Dinner. Cheryl will provide punch, coffee, and table ware. You will need to bring a dish to share (main dish, salad, relishes, hors d'oeuvres, dessert). Please have the food at her home on time, so we can begin eating by 6:30 p.m. Your spouse (not the

kids) is invited. Address: 5311 Twin Elms Drive, which runs between Newman Road and HWY 31, about 3/4 mile north of HWY 38.

President Brian, WD9FRH, proposed that the bylaws be changed to move the election of officers to November instead of December, and that the dues be increased to \$15 and include the *Badger State Smoke Signals*. The change has to be announced a second time and the changes can take place in 1993. The Bylaws will be distributed, with changes noted, at a later date.

Dan, KA9OIL, told about the possibility to use a cherry picker to raise the beam for next year's Field Day. Armstrong Park has been notified that the Club wishes to use the park again, and a reminder will be mailed early 1993.

Dan, KA9OIL, gave a report on the next Fox Hunt when Gene, WB9ZKY, will be the Fox. For more details, contact Dan.

All Hams introduced themselves to the Novices.

Cheryl, WS9P, personally invited everyone to her home for the Christmas Dinner.

Dan, KA9OIL, suggested we have auctions of desserts as a fund raiser.

Larry, WA9JMO, told about his trips to Russia, and asked the Club to adopt a Ham Club he visited in Irkutsk. He will coordinate all activities like schedules, any mailings etc. He is also willing to put on a program on his travels and show slides.

The "Goodie Box" was given to a new Ham, was that fixed?

The meeting was adjourned at 9:00 p.m. and many Hams drove to Reflections for the traditional coffee.

Respectfully submitted:
Arne, KA9ZPY, secretary

P.S. Dick, W5ONL, mailed me a report through Packet, which told about the dipole antenna which has now been installed at the Club station. The Club station now can operate from 10 through 160 meters and including the WARC bands. As a Club officer I thank you, Dick, in behalf of all members for your work. Dick also said that he operated the equipment in the last CW Sweepstakes Contest and that everything works fine. He also is loaning a Transmatch for use with the all band dipole.

Sheboygan County Amateur Radio Club

Steve Meifert, KF9KZ, Secretary

1525 New Jersey Avenue • Sheboygan, WI 53081

The November 10, 1992 meeting was called to order at 7 p.m. by President Chad Christianson, N9HMR.

The minutes from the October meeting were read by Steve, KF9KZ, and a report on the Club's treasury was presented by Luiz, KA9HUF.

Volunteers were enlisted for the Monday night 2 Meter Net Control.

TECHNICAL COMMITTEE

On Sunday, November 8th, Al, NF9R; Lyle, WE9R; and Penny, KB9BJM, braved the elements and replaced our HAM repeater antenna with the Commercial one from the old site on CTH EE. Al reported that although it was still a little charred from the lightning strike, it is doing a much better job than the HAM antenna. You can certainly hear the difference!

OLD BUSINESS

As of the meeting, the club has not yet received a bill from Bay Tower for the removal of our antenna.

NEW BUSINESS

On Saturday, December 12, our club is sponsoring the Wisconsin Association of Repeaters meeting. It will be held at Al & Al's on south 12th & Clara. Lunch can be ordered off the menu at Noon, and the meeting will begin at 1:00 p.m.

Tom, AA9BJ, gave a short report from the last VE session. Upgrades were earned by:

Pat Udovich, WD9DLJ, Technician W/HF;

Pat Dell, KB9HQU, Technician W/HF;

Rob Jacobson, KB9AFT, General; Mike Moegenburg, N9MYT, Advanced;

Steve Meifert, KF9KZ, Extra.

Christine Meifert, KB9HQV; Gregg Meschler, N9PZV; and Bob Gesch, KB9HQT, all passed Element 3(B) and are well on their way to General Class. Congratulations to all!

Novice and Tech classes are forming now, if you or someone you know is interested, please contact Tom, AA9BJ, at 458-2307.

Joe Ash, W9ODV, has donated his Hustler 4BTV Vertical to the club for anyone starting out who needs an antenna.

Respectfully Submitted:
Steve Meifert, KF9KZ

The only stipulation is that when you have finished using it you pass it along to another ham.

Jack Douville, WB9GTX, (Mobile, Short-Time, In and Out, No Traffic, HI!) would like to extend his thanks to Wally, N9EZI; Vic, W9IDG; and Al, NF9R, for their help with installing his new R7 vertical.

This month the infamous FLAT TUBE, the Club's traveling trophy of excellence, was awarded to an all around nice guy and also the one who slaved over the hot coals during the Fox Hunt, begging for one of us to find the fox so we could all come and eat! Your friend and mine, LUIZ CORDEIRO, KA9HUF (Hot Uncle Fred). While we were out having fun, Luiz was doing all the work and this is our way of showing our deepest gratitude. By the way, Luiz, what's on the menu for next time?

The Club's Activity Award is presented monthly to the Member who has shown proof of the most number of contacts for the preceding month. Bring your log to each meeting for verification. If you have any questions, see Penny, KB9BJM. This month's winner is Charlie Murphy, KB9-ICI, with 22 contacts. Congratulations, and keep up the good work!

It is once again time to consider nominations for the "Ham Of The Year" award. The Award Chairman this year is Mike Filipiak, KO9Q. Ballots are being distributed by mail and can be returned to Mike or brought to the December meeting. Members who have won the award in the past five years are ineligible. They are: Mike Filipiak, KO9Q; Don Meyer, KD9-PE; and Jim Daniels, WA9SNU.

The idea of having a Special Event Station was introduced and referred to the board for further discussion. If you are interested in participating on a committee for a Special Event, please see Chad or Penny.

Thanks to Joe Dufon, N9REH, for the outstanding job on his repeater map. Joe spent quite a few hours preparing this map and handed out copies to all who wanted one. This map will make nice wallpaper for any shack, thanks Joe!

The meeting was adjourned at 7:38 p.m., followed by a video donated to the club by Luiz, KA9HUF.

Information Needed for Specialty Net List

Badger State Smoke Signals plans to publish a list of specialty nets in and around Wisconsin, or which are Wisconsin-based. Such nets would include, but not be limited to, swap nets, SWL nets, club nets, and ragchew nets. The information should be submitted on the form below and sent to Jim Romelfanger, K9ZZ, Editor, 412½ Ash Street, Baraboo, WI 53913. To be included in the first publication of the list, the information must be received on or before December 15.

REGISTRATION FORM

Specialty Net Listing for Badger State Smoke Signals

PLEASE PRINT!

NET NAME: _____

NET FREQUENCY: _____ MODE: _____

AREA SERVED: _____

TIME OF NET (LOCAL): _____ DAY(S) NET MEETS: _____

PURPOSE/TYPE OF NET: _____

NET MANAGER: _____

FORM PREPARED/SUBMITTED BY: _____

CALL SIGN: _____ ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

TELEPHONE NUMBER (WILL NOT BE PUBLISHED): () _____

DATE SUBMITTED: _____

Hams Vital to Iniki Disaster Communications

Continued from page 9

dialysis patients were safely flown to Oahu.

Volunteer ham communicators for Kauai had to bring all their own provisions and had to be prepared to stay for an indefinite time. Joe Keola, KH6BFZ, and Jeep Briones, WH6CEN, went with ready-to-operate VHF and HF stations, complete with generators and food provisions. Requesting the most difficult assignment, they were sent to the evacuation shelter at Koloa Elementary School, near the Poipu Beach resort area, where more than 750 tourists were stranded without any means of communications.

Keola and Briones arrived at 3:30 p.m. Sunday and instructed each visitor to write the name and phone number of a friend or relative, along with their name and a brief message. They set up the station within thirty minutes and passed messages to waiting Oahu hams. The Oahu hams placed collect phone calls to the loved ones, who eagerly accepted the message. The two operators originated more than a thousand messages in six non-stop hours, completing calls to as far away as Sweden.

Inter-island telephone service was restored by Sunday evening, and Tel engineer credits the KH6JPL repeater with shaving at least a full day off the repair job.

Lessons Learned

The loss of the telephone system was both a blessing and a curse. The amateurs stepped in immediately and provided communications to coordinate the emergency and relief effort, yet could not handle the crushing volume of incoming health and welfare inquiries. Amateur Radio operators in Hawaii performed extremely well during Hurricane Iniki. Persistent efforts by amateurs to maintain continuous radio communications accelerated the relief effort and ultimately benefitted virtually everyone on Kauai.

WATTS SNOO



WB9QFW 2-Meter Repeater 146.07-.67 and Club Station

P. O. Box 847 • Plover, WI 54467

These are the minutes of the Nov. 11th meeting of the C.W.R.A., Ltd., which was held at the U.W.-Stevens Point. The meeting was called to order by Art, N9BCA, at 7:34 p.m. 14 members introduced themselves, the roll being as follows:

Art Wysocki	N9BCA
Jim Benak	KA9ACE
Mike Urban	KB9GXV
John Kalina	KA9OJA
Mike Eiden	WD9JID
Kevin Haase	N9RAO
Mike Pagel	KA9LAQ
Scott Jasper	NE9U
Frank Podach	N9JQR
Debbie Kroll	N9EIL
Gene Kroll	KE9MA
Leo Liebl	W9NYS
Frank L. Guth	W9BCC
Dave Golla	N9OVT

Following the introductions, Scott, NE9U, gave us the treasurer's report.

Mike, KA9LAQ, then gave us a report on the purchase of a new TNC for the club station. It is a KAM all mode, and is connected and running down in the club station for all paid members to use.

Art, N9BCA, brought the club up to date on the acquisition of bulk coax. With a little luck, it may be available to members by the time you read this.

Mike, KA9LAQ, then reported on the progress of the .985 machine and its problem with the wide receiver. There are some mods that are going to be undertaken (which have been out for some time in the tech bulletins, but, apparently, not very publicized), but it will require the machine to be down for a few days so don't panic if you can't raise it.

He also gave us an overview of the construction that had taken place in and around the club station and the task that had faced the cleanup crew that met there on a Saturday afternoon to make it presentable. After seeing the station later in the evening, they deserve a lot of thanks from all of us who weren't there.

Kevin, N9RAO, told us that there is a copy of our membership card attached to the station checkin sheet so that those in security have something to verify that we are the person on the list.

Paul, K9DB, was not present to update us on the 6 meter gear situation, so for now that is on the back burner.

The main topic of the evening was the next item of business - the banquet. Mike, KA9LAQ, (I think him and Art were taking turns with reports to prevent getting hoarse!!) has been doing some investi-

gating into possible locations for the annual banquet. After much checking, the two best options came down to Gary Nations and the Blue Top. The Blue Top was the cheaper of the two, by about \$1.50, for a three entree, family style dinner, but after much discussion, Gary Nations won out by a 6 to 5 vote. See?? One person can make a difference - you should have been there! The final decisions for the entrees will be made at the December meeting. The banquet will be on Jan. 13, 1993 - further info next month.

If anyone has any suggestions for ham prizes for the swapfest, or suggestions in general, contact Art, N9BCA, with them.

Scott, NE9U, (giving Art and Mike a break) gave a short presentation on the packet cluster, and then suggested that as a service to area hams - those in a 30 to 50 mile radius of Point - and, to alleviate congestion on the node in North Freedom, we upgrade our system to a full blown node (The projected cost for this would be about \$370). After much discussion, the club gave him the go-ahead to proceed with the upgrade.

The club also transferred a Kenwood 210A 2 mtr mobile rig and an MFJ 1274 TNC to its inventory for \$200, thereby doing one of our members, Tom, KD9JF, a double service - giving him a little room for more gear and a downpayment for it (HI!).

Art, N9BCA, reports that he has a wonderful linear for sale - a Heathkit SB 201. He has used it for some time and has gotten many favorable reports when he has turned it on during QSO's, but now wonders if he has a technological miracle on his hands or if hams are liars. You see, some weeks ago, a prospective buyer happened to look inside and found.....

NO FINALS !! Now he is wondering just how great the thing might work WITH the finals - that had been sold as SPARES!

And finally, canine DB (that's how it was spelled) hit the big 40 today - 11/11 - and the club was prepared to extend condolences to him, but we learned that he was probably already being condoled (??) which may have accounted for his absence.

With that, the meeting adjourned to the club station to view the great cleanup job and to hear a presentation on the K1EA contest program from Scott, NE9U.

Our next meeting will be on Dec. 9, 1992, in room A-109 of the UWSP Science Building at 7:30 p.m. See you there.

73 de KA9ACE

Computer Tips

By Rich Regent, K9GDF
5003 South 26th Street



Milwaukee, WI 53221

Q. I've been designing several unique graphics on my home computer. Can I use them in programs or make copies of them?

A. Graphic images that you design with a computer program are yours. They are

your property to do with as you please.

If another person uses your images, assuming they own the program necessary to display them, then no copyright laws are broken. □

Arizona Club Special Event Station Will Commemorate Christmas Holidays

The TriCity Amateur Radio Club of Tempe, Arizona, will be operating a special event station in commemoration of the Christmas holiday season. We will be offering a beautiful QSL card as confirmation of this event, and we invite all to join us for the festivities. Here are the vital statistics:

Date: Saturday, December 19, 1992
Time: 1600Z to 0200Z (Dec. 20)

Place: Christmas, Arizona!

Call: NØEL

Frequencies: 28.350, 14.250, 7.230

We will operate each frequency for one hour, then rotate.

Our special thanks to Mr. Joseph Ratkiewicz (NØEL) for the use of his call.

See you all then.. and, of course, Merry Christmas!

- K17FI via packet bulletin

Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749

Greetings, NWRC members and guests.

The last meeting of the NWRC was held on October 27 at the Peppermill Restaurant in Menomonie. This was to be the election of officers, but I was the only member volunteering. Since the meeting, Eric Thibado, N9KIP, has volunteered to take a position. It is my hope that Eric will be installed at the November 24 meeting. This will still leave a position open for Vice President. Any takers?

Ten people attended this meeting, and I passed out a worksheet on how you would program your call sign using a diode matrix. Delores Wendt won the decorated pumpkin door prize.

The following is the attendance at the meeting:

WD9IUY	W9MEO	W9HUT
KF9CU	N9HME	KB9AGC
N9KIP	KA9OMC	W0LUY

Delores Wendt

Club membership paid for the 1993 year is 26, leaving 48 lapsed. I have purchased post cards to mail out to the late joiners. Dues are \$5 or \$10 with a subscription to BSSS. If you consider \$1 for each of five of the club activities, like Field Day, ARRL liability policy for SkyWarn and public service activities, annual club auction, subsidized rate on

BSSS subscriptions, and the club banquet, you will see your \$5 has bought a lot.

There will be no meeting scheduled for December. Have a safe Holiday!

The next meeting will be January 26. Program and place will be announced in the January issue of BSSS.

Local Amateur News

✓ Congrats to Cory, N9KVH, on upgrading to Extra. Cory is a 15 year OM, and attends school at Menomonie.

✓ Dan, N9HME, has upgraded to Advanced. Dan instructs communications at UW-Eau Claire.

✓ Christine Fuller (daughter of Joe, KF9DU), passed her Technician, and Jon passed the Extra code. Happy hamming to all!

✓ The Menomonie 146.01/61 WB9-YMB/R, operated by the Red Cedar Repeater Association, will be adding conventional access phone patching to its central system at Colfax in the days ahead. The area served is Colfax, Sand Creek, Elk Mound, Bloomer, and Menomonie.

Steve Hart, KA9OMC
NWRC Secretary/Treasurer

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P.O. Box 401 • Abbotsford, WI 54405-0401

TAYLOR COUNTY AREA AMATEUR RADIO CLUB MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, December 3rd at 7 p.m. in the Emergency Government meeting room/Red Cross office, located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Streets, Medford, WI. Talkin on 147.75/147.15 repeater.

IMPORTANT NOTE: The presentation on the results of a study of the water quality of the Poplar River watershed that was to have been made by Abbotsford High School biology students and their instructor at our December meeting has been cancelled, and has been rescheduled for our January 7, 1993 meeting.

EXCERPTS FROM MINUTES OF 11/5/92 TAYLOR COUNTY AREA ARC MEETING

Meeting was called to order by President N9GEN. Present were Bob Braun, KB9BLV and Ernie Mehner, WD9FWP (Dorchester), Ray Gajda, N9IDW (Lublin), and Bernie Jari, KA9WDX, Ray Bohmert, W9QHI, Cliff Steevens, WA9-YCT, and Tom Hrdina, N9GEN (Medford).

The status of the Amateur Radio equipment for the new Taylor County mobile command post bus was discussed. No further progress has been made on this project, pending acquisition of the radio by Emergency Government Coordinator Roland Sacho.

The new repeater cabinet is ready and awaiting the installation of the repeater hardware.

There was some discussion of obtaining a 5-amp trickle battery charger to charge the battery at the repeater site. It is presently being charged directly off the repeater power supply. Motion by WD9-FWP, seconded by KB9BLV, to check into prices and specifications for a battery charger for the repeater battery. Motion carried.

Meeting was adjourned at 7:45 p.m.

CLARK AND TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE NEWS

(Mike Schoenfuss, N9GHZ,
Emergency Coordinator)

A reminder to all Clark and Taylor County area Amateur Radio operators that volunteers are needed to provide communications for the annual Abbotsford Christmas Parade on Saturday, December 5th. All Clark/Taylor County hams should have received a mailing on this project explaining frequencies, assignments, equipment, etc. If you did not receive your copy or have misplaced it, contact me ASAP and I'll get another copy out to you. If you know that you can help that night, please let me know ASAP so that I can start making preliminary plans for assignments.

RESULTS OF 10/17/92 VE TEST SESSION AT MEDFORD, WI

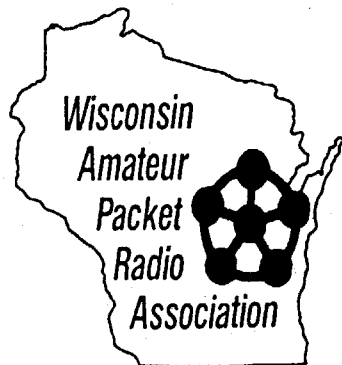
We ended up with more Volunteer Examiners than examinees! There were five VEs present, but only one individual came to be tested. Happily, the results were positive so it was not a total loss of the morning. (See details below.) Thanks to Greg and Pattie Garner from the Tomahawk VE team for coming down to assist with the test session. Taylor County area VEs present at the session were Tom Hrdina, N9GEN, Medford; Jack Pagel, NZ9U, Dorchester; and Ray Gajda, N9-IDW, Lublin.

CONGRATULATIONS TO....

• Ken Smith of Granton who qualified for a Technician Class license at the VE test session held in Medford on October 17th.

• Marv Opitz of Jim Falls who recently passed the exams to qualify for a Technician Class license.

• Former Medford resident Russ Engel of Ocala, FL, who recently passed the exams to qualify for a Technician Class license with a 5 WPM code endorsement. □



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

William Schroeder, W9ZBD

4247 Forest Point Drive • Rhinelander, WI 54501

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

WAPR MEETING MINUTES 10/24/92

Meeting called to order by Chairman Bill Jablonske W9NNS. Agenda items were requested.

Primary discussion at the WAPR meeting pertained to establishing a backbone 9600 baud link between Nodine and Lodi (Madison). Completion of this link would provide a complete circular packet backbone system from southern to northern Wisconsin, including both the eastern and western portions. Along the eastern side of the state the backbone exists primarily on 6 meter fm 1200 baud. The link between Nodine (La Crosse) and Lodi (Madison) would complete a backbone from Milwaukee (perhaps soon Chicago) to the Twin Cities.

Decision was to pursue this link and have a plan established by December 1, 1992. WAPR will have two 430 Mhz radios available for the project and they should be converted sometime this winter. A 12 element 430 Mhz beam will be donated by W9NNS. Additional equipment needed will be another 220 Mhz radio; feedline for an additional site; another 430 Mhz beam and probably an additional 220 Mhz beam or perhaps vertical depending upon the location of the intermediate node between Nodine and Lodi. At least two additional TNC2's and 3 9600 baud modems will be required. A goal was established to have this link in operation by 5/1/93.

A decision was made to attempt to link Chippewa Falls to the WANA 9600 baud system with an intermediate node most likely required, perhaps at Durand where WB9NTD could also tie into the system. W9NNS, AA9AW and W9LZQ will pursue this project with the help of WB9NTD and others who may be interested.

Discussion was held on the linking problem to the U.P. of Michigan. There is a packet outlet available through Bob KA9EOK. Traffic for the UP will be routed up the western side of the state to Bob. The wormhole that WD9ESU was using to get there is not in operation at the present time.

The packet BBS system at Ashland is picking up traffic from Canada and also sending that to KA9EOK. Bob will begin forwarding much of this on down the line.

Question was raised as to what had happened to WW type bulletins. Apparently the HF station picking these up previously is not operating at the present time.

A suggestion was made that the Wisconsin node map needs to be revised and updated. Joel, N9BQM volunteered to assist in getting this project completed.

There was a discussion of appropriate NODE broadcast minimum path quality updates. Some nodes broadcast lengthy node lists which contain distant stations which are either impossible or impractical to connect to under normal band conditions. The dynamic routing feature of TheNET and NETROM is beneficial in many respects, but can also create additional garbage on the system, especially 145.01. Suggestion was to either lock out routes to prevent node broadcasts of undesirable nodes or set minimum path quality updates at 144 or higher.

Meeting adjourned
Recorder: Kent W9LZQ

Note: Donations of equipment to assist in the WAPR backbone projects would be very welcomed...contact W9NNS.

Subject: Attention bad spellers
Tired of folks criticising grammar? Only one way to deal with it:
Bad spellers of the world - UNTIE!

DIGITAL CONFERENCE SCHEDULE MIDWEST DIGITAL CONFERENCE '93 ANNOUNCED

Minneapolis, November 19 - The TwinsLAN Amateur Radio Club of Minneapolis/St. Paul announced today that it will host the second Midwest Digital Conference on Saturday, February 13, 1993. TwinsLAN president Max Wendel, N0FKU, said the conference, scheduled from 12 noon to 8 pm, will be held at the West River Point Business Center, 1315 N. West River Road, in Minneapolis. The event will again follow the Midwinter Madness Hamfest to be held the same day in the Twin Cities. "This is a perfect opportunity for attendees to relax after the hamfest, learn more about digital communications techniques and get together with other amateurs" Wendel said.

Conference chairman Carl Estey, WA0OQG, said the conference will offer numerous seminars on digital amateur communications. He said that "last year's conference focused exclusively on packet radio. This year we will address modes such as RTTY, AMTOR, PACTOR and packet with plenty of information for both newcomers and experts."

Estey said the topics will include digital operations, getting the most from a TNC, Local and Wide-Area Networks, and basic and advanced TCP/IP protocol. Speakers were not announced; however Estey said he expected some well-known digital authorities to lead programs. A banquet is scheduled from 5 to 6:30 pm. A get-together for sysops and netops and a shareware-software exchange are also planned, according to Estey.

Tickets are \$16.00 before February 13 and \$19 on the day of the conference; the price includes dinner. For additional information and tickets, contact Paul Ramey, W0OG, 16266 Finland Av., Rosemount, MN, 55068, (612) 432-1640.

High School Packet

The West Bend High School Packet Club is looking for a packet penpals. Everyone is invited to send messages to us at WD9IJT @ KC9BK.WI.USA.NA.

US & INT. Callbook on Landline BBS

Rudy - KB9OK has added a new CD-ROM to his Landline BBS called the Digital Ham Shack. The BBS features about 400 Megabytes of Amateur Radio related files and includes the U.S. and International Callbook databases for callsign look-up. You can connect to Rudy's BBS at:

(414) 251-1106 2400 baud - available 24 hours
(414) 251-5291 9600 baud - evenings after 7 pm and all day on weekends.

Packetcluster Access in Fox Valley

For those interested a packetcluster, KD9BC has placed a node online in Oshkosh on 223.48. 2 meter access is planned, but not yet implemented due to technical difficulties.

#SHE2 Frequency Change

#SHE2 (NF9R-2) will be following the WIOSH (KD9BC) DXCluster to 223.48 MHz on Tuesday November 23. The only operational change will be for those who connect to #SHE2 direct on 220 to change to the new frequency.
73's Al (NF9R) @ KC9BK BBS.

Markesan Nodes Repaired

As of noon on Saturday, November 14, the LAN node (WIGLK) and the 220 backbone node (#GLK2) were activated and placed in full service once again. In late August, a lightning strike caused considerable havoc to the packet equipment at the repeater site. This included damage to the WIGLK TNC, 220 radio, 440 radio and "watchdog" timers. (The 440 radio is still in the "shop" and could be back online in the next week or two).

Amiga TCP/IP Version 2.9

Amiga NOS TCP/IP Version 2.9 can be downloaded from the GFRN BBS system. The phone number is (310)-541-2503 running up to 9600 baud. The download protocol on GFRN is Xmodem. Enter xmodem for help at any prompt. The file is located in the PACKET/TCP-IP/AMIGA directory. Use the DIR command to see all the files in the Amiga directory. If you have any question send packet mail to: WA2KDL @ WB6YMH

AEA PCB-88 TNC For Sale

I have a PCB-88 tnc by AEA that is only about 9 months old. It plugs into an expansion slot in your IBM-PC or compatible. I am looking to upgrade to a bigger and better tnc. This PCB-88 tnc has a 19k mailbox/pbbs. It comes with all the cables, (Pre-wired to an Alinco DJ-160) and software. All manuals included. I will ship anywhere in the United States for \$135. If interested, contact:

N9ONP @ WB9ZRE.WI.USA.NA.

Please leave me your phone number and the best time to call you.

A.J. - N9ONP

KA9JAC Callbook Server

Bob has received the latest version of the North American Callbook CD-ROM Database. The database is current to September 22, 1992 and can be utilized by sending a request to:

SP REQTH @ KA9JAC.WI.USA.NA

When your local BBS asks for a message title, type up to 5 callsigns, separated by a space between callsigns. The message area of the request is ignored, so just close the message area using CTRL-Z or /EX and the message will forward to KA9JAC. The server will read your request, extract the requested data and originate a message to your home BBS with the information it found. If you live in the Fox River Valley area (Green Bay <-> Fond du Lac <-> Portage) you can access KA9JAC's server direct on 144.97 or via WIGLK and use the "PC (callsign)" format for instant access to callsign info.

Alternate SmartWatch Source for PK-232

Dallas Semiconductor manufacturers the Smartwatch for AEA. You can order direct from DS at (214) 450-0400 and ask for part number DS-1216-C SmartWatch. Their cost is \$26.00 including shipping and handling. Expect the SmartWatch to arrive in 3-5 days.

Chicago ROSE Gateway Available

A ROSE gateway is now operational in Chicago on 145.07. KA90DA-3 is the callsign. You can connect to Minneapolis (612341), Tampa (813878) or Dallas (214xxx). More details will follow as the bugs are worked out. For info leave message on N9GRH-BBS for KA90DA.

PacPals International

Attention: School teachers

PacPals will act as a clearing house for establishing packet radio pen-pals on a global scale. Each participating school will select a "communications manager" responsible for the proper formatting, mailing and reception of student packet mail. An example How-To format for out-going PacPal mailings will be sent to the designated communications manager along with additional information. A profile must be completed by each participant for entry into the master database.

1. Name of your school
2. Location, address and Zip
3. Earthly coordinates (lat, long) Optional, but this allows kids to globally finger your location
4. Name of teacher and school grade
5. Communications manager
6. Return Packet Address (VERY IMPORTANT!)

Each student should write a paragraph, the briefer the better, describing themselves. They can be as creative as they please. This may stimulate that special student to pick THEM as a PACPAL! Example of a typical entry in the profiles log:

1. Jessie Winchester

Hi everybody. I'm called Jessie as you probably guessed. I like to play basketball and go to movies. I'm learning about radios and computers. Hey -does anybody out there really believe in UFOs? Write ME DUDE!

2. Your profiles should be sent to WQ1F, who will distribute them to all participating schools.

For more information, contact:
WQ1F @ KD2AJ.#NENY.NY.USA.NA
Plattsburgh, NY

Using the National Traffic System

You can send and receive NTS (National Traffic System) messages all over the world, ITS EASY, to send one.

Just check into your favorite BBS and type:

ST XXXXX @ NISXX

That is ST (Zip Code) @ NTS (State 2 letter designator)

The BBS will ask for Subject or some other routing, you type: QTC XXXXXXX (The City)

It then will ask you to enter the text, you type:

1 <message number> R <for routine> NS9F <your call> 17 <number of words> Lockport IL 11/1 <your city state and date>. This is called the Preamble.

The BBS will then tell you to enter the text. You then type in the name address and phone number of who the message is going to and the text so it will look like this:

Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The November 18, 1992 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order at 7:37 p.m. by Bob Sauvan, WT9Q.

The minutes of the last meeting, as published in the BSSS, were accepted on a motion by Art Kleefisch, W9WSS, and seconded by L.J. Hemmer, WB9TFJ.

Jim Decker, WB9UQT, gave the treasurer's report.

OLD BUSINESS

Art Kleefisch contacted the Baraboo library. A subscription to QJ was suggested. Books suggested were an antenna manual and license manuals (Novice/Technician), General, Advanced, and Extra). It was also suggested to buy the Handbook every other year.

NEW BUSINESS

Art Kleefisch passed out a tentative schedule of next year's meeting dates. He will contact the Baraboo Civic Center to reserve a meeting room for those dates.

Dues were discussed. Motion by Bill Klinkner, N9KXX, second by L.J. Hemmer, to continue the dues at \$15.00 for 1993. Motion approved.

Art Kleefisch will draft a letter to be included with the membership renewal application to be sent to each member in December.

Membership rosters were passed out to all members present to check for accuracy.

Buck night drawing was won by Harold Reif, KA9YQP, who was present. He won six dollars. Members voted to continue Buck night for the next year. Motion was by Art Kleefisch and

seconded by Bill Klinkner.

Motion for adjournment was made by Art Kleefisch and seconded by Ken Johnson, K9DZG.

Following the meeting, Tim Steive, Emergency Government Director, Sauk County, was introduced by Bill Klinkner. After he gave a brief overview, the members then took a tour of the communication center of the Sauk County Sheriff Department.

Respectfully submitted:

Raymond J. Matlosz, N9MLZ, Secretary

The next meeting/Christmas party will be held on Thursday, December 10, 1992, at 7:30 p.m. in room 14 of the Baraboo Civic Center, Baraboo, WI. Members are asked to bring a \$2.00 gift to exchange during the meeting.

The following members and guests were present:

L.J. Hemmer, WB9TFJ	Baraboo
George Gabay, N9QQR	New Lisbon
Raymond Matlosz, N9MLZ	Reedsburg
Anne Klinkner, N9PQL	Prairie du Sac
Bill Klinkner, N9KXX	Prairie du Sac
Harry Westlund, K9EHJ	Baraboo
Duane Grotophorst, KA9HKL	Loganville
Harold Reif, KA9YQP	Baraboo
Jim Decker, WB9UQT	Baraboo
Bob Sauvan, WT9Q	Sauk City
Arthur Kleefisch, W9WSS	Baraboo
Ken Johnson, K9DZG	Mazomanie
Tim Stieve	Baraboo

1 R NS9F 17 Lockport IL 11/1/92

MR & Mrs Sam Anyone
1234 E Oak St
Woodale WI 54321
634 555 1234

Hello Sam and Ethel glad to hear you are all well hope to see you soon love Bert and Debra

If everything goes right in a day or two Sam and Ethel will get a phone call from a nice ham in or near Woodale and he will deliver your message.

YOU can also deliver NTS traffic and make someone happy...

When you check into your favorite BBS type:

LT, look over the list of NTS messages, if one in your calling area or close enough so that you want to deliver it type:

R #####(the number), make a copy, on disk, printer or by hand,

Kill it by typing: KT #####(the number) or K #####, call the people and say something like:

"Hello, my name is (your name) I am a amateur radio operator I have a Ham Radiogram for (recipients name)" and read the text and signature.

NS9F @ N9GRH.#NEIL.IL.USA.NA

A Bit of Humor

It never ceases to amaze me what you can read on Amateur packet radio! Here is an example of an "open" message that came through recently:

From: KC6YRU@KM6WU.#CENCA.CA.USA.NA
To : UFO@ALLUS

OK Steve, now you've done it! Blew my cover big time!

I'm trying to persuade ***THEM*** to leave you alone.

But you know how ***THEY*** are. ***THEY*** are being difficult about it.

However, I'll try to convince ***THEM*** that no one will believe you, but I don't know if ***THEY*** will go for it.

And furthermore- I'll have you know- that I have NEVER crashed one of those Alien Flying Saucers!

Those that crashed were being piloted by old hams who tried to input commands by MORSE CODE!!!! Primitives!!

See you in the **TWILIGHT ZONE**
73 JIM KC6YRU @ KM6WU

Scherschel Camera Shop

Give the gift of photography this Christmas!

- Cameras
- Accessories

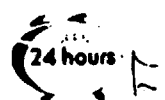


- Quality Photofinishing

129 Fourth Street
Baraboo, WI 53913

(608) 356-9165

Darrow's



CHECK OUT OUR
EVERYDAY
LOW PRICES

DARROW'S
COUNTRY MARKET

TOTAL DISCOUNT FOODS
935 8th Street • Box 90
Baraboo, Wisconsin 53913
356-2106
We Buy Aluminum Cans

TROYER *Rexall* DRUGS

JACK D. TROYER, R. PH. • DAVID M. FUHS, R. PH.

"Good Health is our Business"

WE MAINTAIN A COMPLETE RECORD OF YOUR
FAMILY'S PRESCRIPTION PURCHASES

106 4th Avenue
Baraboo, Wisconsin

Phone 356-4964

The Badger State Smoke Signals Shoppers' Guide

SWAPFESTS



1992 WINNERS
Timothy J. Czerwinski, W09UJ, Clutch
Robert J. Goemans, N9HAD, Madison
Douglas Kleeman, KA9LWN, Shawano

Both Sponsored By
THE WEST ALLIS RADIO AMATEUR CLUB, INC.
P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201

**21st ANNUAL MIDWINTER
SWAPFEST**
WAUKESHA EXPOSITION CENTER
WAUKESHA, WISCONSIN
**SUNDAY
JANUARY 10, 1993**

**HAM IT UP EVERY SPRING!
MADISON SWAPFEST**

April 4, 1993

Dane County Expo Center
Forum Building

Sponsored by MARA/WB9AER

P.O. Box 8890 (608) 249-7579
Madison, WI 53708-8890 Answer Machine

SOUTH MILWAUKEE AMATEUR RADIO CLUB

SWAPFEST 93

July 10, 1993
(Held every July)

**American Legion Park
Shepard Ave. • Oak Creek, WI**

(414) 762-3235 Extension 58
P.O. Box 102 South Milwaukee, WI 53172

Fox Cities Hamfest

November 8, 1992

Starlite Club, Hwy. 55 north of Kaukauna

HAMFEST INFO:
Don Baker
217 Grant St.
Little Chute, WI 54140
414-687-0572

EXAM INFO:
Larry, KD9IA,
414-788-3823, or
Don, NB9J,
414-687-0572

**Lakeshore Hamfest
& Computer Swapfest**

Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on Cty Highway R

Saturday, May 8, 1993

For more information, call:

Ron, WS9X: 414-793-4733 (Nights)
Red, N9GHE: 414-684-9097

ManCoRad Radio Club • P.O. Box 204 • Manitowoc, WI 54221-0204

PEORIA SUPERFEST

EXPOSITION GARDENS, PEORIA, ILLINOIS

September 19-20, 1992

LARGE FLEA MARKET • COMMERCIAL DEALERS • FORUMS
LADIES ACTIVITIES (SAT) • EXAMS (SUN)

GATES OPEN AT 6:00 AM • TALK-IN 146.76
FOR ADVANCE TICKETS: SASE PLUS \$5 EACH TO PEORIA
AREA AMATEUR RADIO CLUB, P.O. BOX 3508, PEORIA, IL
61612-3508 OR CALL (309) 685-6698 FOR INFORMATION

15th Annual

CWRA SWAPFEST

Sunday, June 13, 1993 • 8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: Art Wysocki, N9BCA
3356 April Lane

715-344-2984
Stevens Point, WI 54481

EAU CLAIRE AMATEUR RADIO CLUB

SWAPFEST

July 10, 1993

Chippewa Falls Fairgrounds

Lis Searing, N9EQR
(715) 834-1303

1129 McKinley Road
Eau Claire, WI 54701

**HAMFEST SPONSORS:
THIS SPACE
IS AVAILABLE
TO ADVERTISE
YOUR EVENT.
FOR INFORMATION,
CONTACT KEN EBNETER,
K9EN. SEE PAGE 2
FOR ADDRESS.**

PRODUCTS AND SERVICES

AES®... ★ New Location!

One of the World's Largest Ham Dealers right here in Wisconsin!

All Major Brands ★ Large Stock ★ Fast Service

AMATEUR ELECTRONIC SUPPLY®

5710 W. Good Hope Road • Milwaukee, WI 53223

Phone: (414) 358-0333 • Toll Free: (800) 558-0411

FAX: (414) 358-3337

HOURS • Monday thru Friday 9-5:30; Saturday 9-3

Radio Recyclers
M, Tue, F ... 10-5
SAT ... 10-2

USED AMATEUR RADIO EQUIPMENT

Neil Lawton WK9Q

414-383-9001

Buy • Sell • Consignment

3221 W. LINCOLN AVENUE • MILWAUKEE, WI 53215

FREE FREE

QSL CARD SAMPLES

We carry a full line of
QSL Cards and related products.

High Gloss Cards Fluorescent Cards
Economy Cards QSL Eyeball Cards
Personal Envelopes Rubber Stamps

Call or Write Today!!

The Little Print Shop

P.O. Box 1160 • Pflugerville, Texas 78660

(512) 990-1192



Omar Electronics, Inc.

2130 Ga. Hwy. 81 SW
Loganville, GA 30249

A.E.A.
Alinco
Ameritron
Pro-Am
Comet

MFJ
Kenwood
Yaesu
Uniden
Daiwa



Marc

A.R.R.L.
Bench
Icom
Van Gorden
Connectors

715-644-2112

FAX: 715-644-2621

RICH'S SURPLUS

Route 2 • Stanley, WI 54768

"Your Discount Ham Source"

ARRL/Ameco/Artsci/Etc. Books
Alinco VHF/UHF line from \$249

Most items/brands available by order

Jo, N9MEI

Rich, N9MEH

Craig Henderson
N8DJB

Ph. (419) 352-4465
Hours: 10 - 5

C.A.T.S.

Rotor Parts and Repair

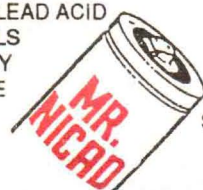
7368 S.R. 105

Pemberville, OH 43450

BATTERIES

BATTERIES FOR ALL YOUR POWER REQUIREMENTS

NICKEL CADMIUM
SEALED LEAD ACID
GEL CELLS
MERCURY
ALKALINE
LITHIUM



E.H. YOST & COMPANY

7344 TETIVA ROAD
SAUK CITY, WISCONSIN 53583
TELEPHONE (608) 643-3194
FAX # (608) 643-4439



RICHARD O. LUST, CAI
Certified Auctioneer/Broker
(608) 258-8880

K9APW

LUST AUCTION SERVICES

(608) 833-8335

7552 Pioneer Place

Verona, Wisconsin 53593

Statewide Service To Hams - Since 1975

Auctioneering Real Estate

**RHYME
SUPPLY
INCORPORATED**



122 EAST COOK STREET PORTAGE, WIS.

COMPLETE LINE OF OFFICE MACHINES • FURNITURE • COMPUTERS

TELEPHONE
608-742-3371

KEN HUTLER

AF & RF CONNECTORS AND ADAPTORS • DC CABLES AND PLUGS • FUSES
POLICE SCANNERS • SHORT WAVE RECEIVERS • RADAR DETECTORS
METAL DETECTORS • CB RADIOS • AMATEUR RADIO RELATED ITEMS



TOWER ELECTRONICS

WHOLESALE TO THE PUBLIC

(414) 435-4855 1-800-662-3422

P.O. BOX 12631
GREEN BAY, WI 54307

2441 SOUTH BROADWAY
GREEN BAY, WI 54304

OPEN M-F 10-5 1/4 MILE SOUTH OF NATIONAL RAILROAD MUSEUM

VCR SERVICE

North Freedom Electronics
Same day service by appointment

VCR Cleaning: \$12.95

Computers • Musical Instruments

Stereos • Auto Sound • CDs • CBs

Sorry, no TVs or stacked stereo systems

HOURS MAY VARY - CALL AHEAD

John Schmelzer
201 E. Walnut, Box 18

(608) 522-4366
North Freedom, WI 53951